



Franklin Dieford

Quincy, Mo.

THE A. S. A. MAGAZINE

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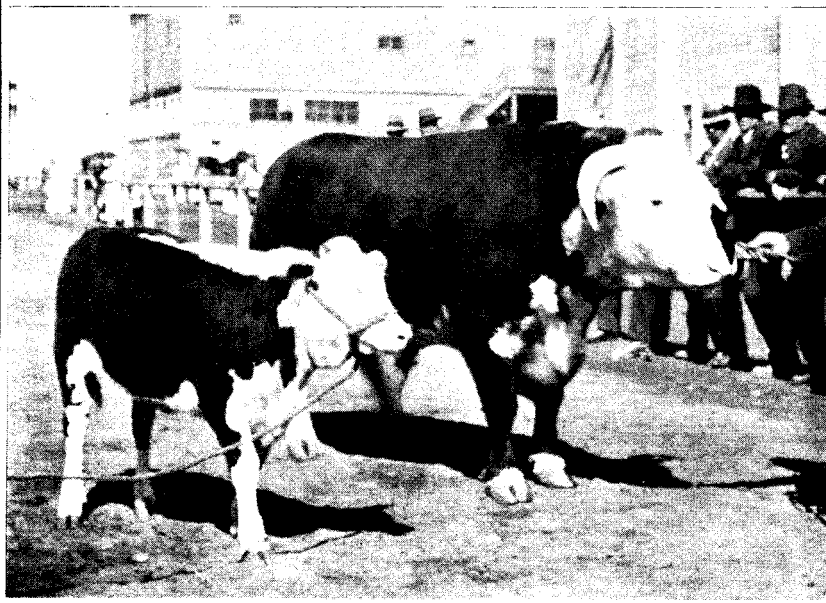
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#### DAGNY RASMUSSEN

Daughter of Jens and Christine Rasmussen, of Standard, Alberta, was born at Elkhorn, state of Iowa, October 21, 1897 where she lived until the family in the spring of 1911 moved to Standard, Alberta. She was at that time a strong and healthy-looking young girl, doing her full share of the work incident to a large family, and doing it gladly and willingly. She was looking forward to life as a happy girl would, and being anxious to fill her place well went to the school of Agriculture at Olds last fall to attend the classes in Household Science in order to further prepare for her future. She loved her work at School, and with a glad heart left to spend the Christmas holidays with her family, never to return. On the train she got chilled and was confined to her bed more or less during the holidays. It was not, however, until the last day of the old year that her condition grew serious, and doctors were summoned, but notwithstanding all that science and loving hearts could do, she declined rapidly and passed away on the first day of the new year.

Dagny was a girl of a beautiful sunny disposition, and was beloved by all who knew her. She had a simple faith in the One who said: "Come unto Me and I will give you rest."

# The A.S.A. Magazine

March 1917

PUBLISHED BY THE ALBERTA SCHOOLS OF AGRICULTURE  
VERMILION        ::        OLDS        ::        CLARESHOLM

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## Olds Honor Roll

### KILLED IN ACTION:

Private Raoul Simon, Trochu (Class '14), killed at Champagne, France.  
Private Doan Quantz, Penhold (Class '15), killed in France.

### WOUNDED IN ACTION:

Lieut. Roy Burns, Ponoka (Class '14), 31st Battalion. Woodcote Park Hospital.  
Pte. Wm Whiteside, Penhold (Class '14), 12th O.M.R. Invalided home.  
Pte. Angus McNeil, Chesley, Ont. (Class '15), 66th Battalion. Was in French Hospital.  
Lanc.-Corp. J. A. Goldie, Olds (Class '15), 3rd Pioneer Battalion. Was in English hospital.

### AT. OR ON THEIR WAY TO THE FRONT:

Brigadier R. Georges-Figaro, Leo (Class '14) 26 C Dragoons.  
Pte. B. E. Hammond, Calgary (Class '15) Cycle Corps.  
Pte. Mitchell Moir, Sterling, Scotland (Class '15), 51st Battalion.  
Pte. G. A. Whiteside, Zenith (Class '15), 51st Battalion.  
Pte. Herbert Batley, Olds (Class '15), 56th Battalion.  
Pte. Otto Millar, Olds (Class '15), 138th Battalion.  
Pte. Jack Hutchinson, Olds (Class '16), 137th Battalion.  
Pte. Horace Gallagher, Calgary (Class '16), 194th Battalion.  
Pte. John McRae, Delburn (Class '16), 17th Can Reserve.  
Pte. Arthur Kemp, Calgary (Class '16), 196th University Battalion.  
Pte. Wm. Black, Hope Valley (Class '16), D. of C.R.C. Hospital.  
Pte. Mac B. McColl, Collholme (Class '15), 175th Battalion.  
Sergeant Harold Thornton, Red Deer (Class '15), 187th Battalion.  
Pte. Richard Reddon, Olds (Class '15), 187th Battalion.  
Pte. L. Huskins, Pitcox (Class '16), 187th Battalion.  
Pte. Andrew Campbell, Bawlf (Class '14), 187th Battalion.  
Pte. Arthur McAllister, Penhold (Class '14), 187th Battalion.  
Pte. Milo Huffman, Langdon (Class '16), 187th Battalion.  
Pte. Robt. Hutchinson, Olds (Class '16), 187th Battalion.  
Pte. John Hutchinson, Olds (Class '16), 137th Battalion.  
Pte. Ed Farquharson, Eye Hill (Class '16), Cyclist Corps.  
Pte. Jack Peckham, Olds (Class '16), Cyclist Corps.  
Pte. Campbell Lindsay, Eye Hill (Class '15), Cyclist Corps.  
Pte. Edward Gibb, Munson (Class '16), 191st Battalion.  
Pte. Osmond Ennis, Alix (Class '16), 191st Battalion.  
Pte. Thory Johnson, Innisfail (Class '14), 1st Can Division.  
Pte. Leonard Blois, Sheerness (Class '15), 202nd Battalion.  
Pte. W. A. Bicknell, Didsbury (Class '15), 137th Battalion.  
Pte. Donald Black, Calgary (Class '15), Lethbridge Artillery.  
Pte. Thomas Wilkerson, Leduc (Class '14), 202nd Battalion.  
Pte. Frank Cosgrove, Gleichen (Class '16), -- Battalion.  
Pte. Harold Hopkins, Bentley (Class '16), in training for Navy.  
Pte. P. H. Menzies, Chilliwack, B.C. (Class '15), 237th Battalion.  
Pte. Wm. Rogers, Penhold (Class '14), 187th Battalion.

## Claresholm Honor Roll

The following are the students of the Claresholm School of Agriculture who have enlisted:—

Pte. H. Middleton—3rd C.M.R.  
Pte. E. Buckingham—50th Battalion.  
Pte. John Walker—50th Battalion.  
Pte. J. McDonald—50th Battalion.  
Lieut. J. J. Jamieson—8th A.M.C.  
Pte. E. J. Hirsch—211th Battalion.  
Pte. W. A. Porter—113th Battalion.  
Pte. H. Campbell—113th Battalion.  
Pte. P. Peterson—113th Battalion.  
Pte. S. Leitch—113th Battalion.  
Pte. J. Horner—113th Battalion.  
Pte. J. Mitchell—113th Battalion.  
Pte. T. A. Sundal—211th Battalion.  
Pte. R. G. McLean—61st Battalion.  
Pte. H. Hansen—61st Battalion.  
Pte. C. D. Seevers—211th Battalion.  
Pte. F. Yeo—113th Battalion.  
Pte. Stuart Ellis—137th Battalion.  
Pte. H. W. Jackson.

## Hermilion Honor Roll

### STUDENTS WHO HAVE ENLISTED.

WILFRED EYRE, Vermilion, :

Student in term 1914—15 (No. 10667); enlisted with the 66th Battalion now "Somewhere in France."

FRANK L. GRACEY:

Graduate of class '16; enlisted in 196th; honorably discharged on account of illness.

J. D. McPHERSON, Red Deer:

Graduate of class '15; enlisted in 196th, now in England.

A. G. MOORE, Jarrow:

Graduate of class '15; enlisted in 196th, now in England.

WM. SHEPPARD:

Member of class '15, leaving in November, 1914, to enlist. Went to England with 13th C.M.R.; now on firing line with Lord Strathcona's Horse.

ED. SPARROW, Sedgewick:

Graduate of class '15; went overseas with 89th; now on firing line with artillery.

ALEX SPARROW, Sedgewick:

Graduate of class '15; went overseas with 89th; now on firing line.

P. S. URE:

Graduate of class '15; returned to England to enter an aviation corps. Whereabouts unknown.

HERBERT SPENCER, Edgerton:

Member of class 1914-1915; trained in Calgary several months; honorably discharged on account of rheumatism.

FLOYD SHAW, Vegreville:

Attended in term 1913-14; on firing line when last heard from.

## A WORD TO THE STUDENTS

(From the Minister of Agriculture)

The conclusion of the fourth term in our Schools of Agriculture finds a condition, if possible, more satisfactory than any preceding year. The gratifying feature in connection with these Schools is the interest and industry shown by the pupils who attend. War conditions have had considerable effect in reducing the numbers of our students, but when we compare our attendance with the attendance at like institutions in other provinces, the result is very gratifying, as we find that according to our population, we are educating nearly three times as many students in Agriculture, as some other provinces are. This is largely accounted for by the fact that we have three schools, and consequently they are within reach of a larger number of boys who are under military age, and our schools have reason for congratulation upon the fact that in a province with our population, under war conditions, we are training three hundred and twenty students in Agriculture this year. I am also very pleased to note the large number of girls who are attending, and am interested in the fact that this year we are one of the few Educational Institutions training girls in a full course in Agriculture, in fact our Schools are among the very few in Canada which admit girls to the full agricultural course.

The excessive price of food-stuffs in Canada this year places an added re-

sponsibility upon the boys who are training in Agriculture. While it is very satisfactory to the farmer to receive these high prices, there can be no question about the fact that the present cost of that prime necessity of life, food, is much too high; and with our country at war, and so many soldiers to feed on the battlefield, and their wives and children at home to be guaranteed a living, there never was a

time in the history of Canada when a man could serve his country so well upon his farm. Every bushel of grain and every pound of meat produced in our country this year will have a greater national value than it has ever probably had before, and truer and greater national service can be rendered by the farmers of Canada in this year, 1917, than at any time since the beginning of the war, and I feel that I have only to call the attention of the students at our Schools to this matter to have them put forth the greatest effort of their lives along the line of agricultural production during the coming season. Farm labor will be scarce and you boys may be called upon to work harder than usual, but many

men have not only been working hard but have been suffering the greatest possible hardships that human life can endure in the cause of our country and if our boys and men on the land will just keep this in mind



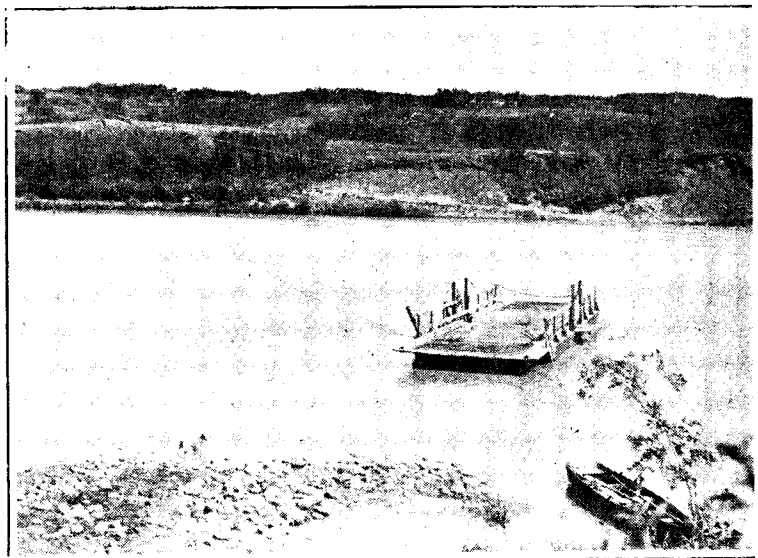
HON. DUNCAN MARSHALL  
Minister of Agriculture

## ALBERTA SCENES



KEEP THE BOY ON THE FARM.

First Prize in Snapshot Competition. Entered by Miss Gladys Trimble, Olds, Alberta.



BEFORE THE DAYS OF BRIDGES--NORTH BEND FERRY, LLOYDMINSTER, ALTA.  
Second Prize in Snapshot Competition. Entered by S. Barnes, Vermilion.



during the present summer, then long hours and laborious work on the farm will be a welcome opportunity for public service rather than a cause for complaint.

I also want our boys and girls who have attended the Schools this year to keep in mind our classes for next fall, and to urge their neighbor boys and girls to come to the Schools. Agricultural production after the war will practically be Canada's only source of wealth. This country must then depend upon the efficiency of the men and women on the land for the discharge of the great burden of national debt that we are now accumulating in a cause and for a purpose that makes no man or woman regret the debt; but the interest will have to be paid and the revenues of the country can only be increased by additional development of our greatest source of wealth, the land, therefore it is especially fitting that at this time, young men and women in all parts of Canada should prepare themselves for the greatest economy of effort in farm production after the close of the war. In this work our Schools of Agriculture can play a great part, and it only remains necessary to increase the attendance in order that the influence of trained men and women may be felt to a greater extent in the future agricultural life of this Province.

I am pleased to announce to you that provision will be made at the present session of the Alberta Legislature for increasing the number of Schools of Agriculture in the Province, and that it is the success of the present Schools, in which you have been a very important factor, which now prompts the Government to offer educational facilities to a still greater number of farm girls and boys.

DUNCAN MARSHALL

## Magazine Competitions

We have this year followed the precedent of holding two competitions in relation to this number of the Magazine, viz., Cover Design and Snapshot Competitions.

In accordance with the dedication of this issue to "The Lads in Khaki," we stipulated that the Cover Design be of a patriotic nature. Several meritorious designs were submitted, the one shown on our front cover being chosen, as especially appropriate, by Hon. Duncan Marshall. The prize of \$5.00 was won by R. Dunlop, of Vermilion. This school is to be congratulated in leading the competition two successive years.

Many excellent collections of snapshots of farm scenes and natural scenery were received. The prizes awarded were as follows:

1st prize of \$3.00 was won by Miss Gladys Trimble, of Olds.

2nd prize of \$1.00 was won by S. Barnes, of Vermilion.

The accepted snapshots are shown on the opposite page.

Each school was asked to secure an essay on "The Value of my Agricultural Training," written by an ex-student. Those received were written by A. H. Baker, O.S.A., N. A. Clark, V.S.A. and by Effie Blackwood, C.S.A.

## Generous Patrons of Schools of Agriculture

The following prizes are offered for competition in the various Schools of Agriculture for the session 1916-17.

The P. Burns prize of \$50 offered by P. Burns, Esq., of Calgary, for competition in the Department of Agriculture at the Olds school.

The P. Burns prize of \$50 offered by P. Burns, Esq., of Calgary, for competition in the Department of Household Science at the Olds school.

The Swift Canadian Company prize of \$25 offered by the Swift Canadian Company for competition in the Senior year in Animal Husbandry at the Vermilion school.

The Western Retail Lumbermen's Association prize of \$25 offered by the Western Retail Lumbermen's Association for competition in the Department of Farm Mechanics at the Claresholm school for the best design of house, barn and farm buildings.

The Western Retail Lumbermen's Association prize of \$25 offered by the Western Retail Lumbermen's Association for competition in the Department of Household Science at the Claresholm school for the best design of a farm kitchen.

The Western Retail Lumbermen's Association prize of \$25 offered by the Western Retail Lumbermen's Association for competition in the Department of Farm Mechanics at the Vermilion school for the best design of house, barn and farm buildings.

The Western Retail Lumbermen's Association prize of \$25 offered by the Western Retail Lumbermen's Association for competition in the Department of Household Science at the Vermilion school for the best design of a farm kitchen.

The Hayward Lumber Company prize of \$50 offered by the Hayward Lumber Company for competition at the Vermilion school for the best bushel of alfalfa seed grown by a student during 1917.

The Crown Lumber Company prize of \$50 offered by the Crown Lumber Company for competition at the Olds school for the best bushel of alfalfa seed grown by a student during 1917.

The Atlas Lumber Company prize of \$50 offered by the Atlas Lumber Company for competition at the Claresholm school for the best bushel of alfalfa seed grown by a student during 1917.

The Meyer Cup, value \$100, offered by A. E. Meyer, Esq., Edmonton, for competition in stock judging by teams of three boys from the senior year in the schools. Possession follows two successive wins.

We are sorry that we cannot announce the winners in each case, as these will not be known until the close of the present term.



## "Food and its Value to the Body"

By Miss Fern Hotton, Instructor Household Science, Vermilion School  
of Agriculture.

All around us we hear discussions of the present high cost of living and the situation is grave enough to make us ponder it. Those who are students of economics assure us that prices will never again be low. The housekeepers' problem, therefore, is not to lower prices but to study values, so that each expenditure, shall be made wisely. To do this, we must make a study of the body needs, composition of food, materials, etc.

The ability to purchase foods wisely and well, to plan meals that shall be at once gratifying, satisfying and fundamentally right, does not come by instinct, nor is it to be acquired in a moment. The medicine of the future is prevention. The time is coming, when it will be considered as gross ignorance or carelessness to be sick, as it is now to be unable to read or write.

The application of science to human nutrition, or the proper feeding of mankind has only begun. The science of feeding some of the lower animals has progressed further and show marvellous results in improvement in health, size and efficiency, and therefore in money value. The application of bacteriology and sanitation has prolonged the average of human life. This has been brought about largely by cleaner water, milk, meat, etc.; better care of the sick; the abandonment of the public drinking cup and other sources of infection.

The body is made up of countless tiny cells, each having some special function to perform and as the food is digested and carried by the blood through the body, each cell takes up that which is necessary to feed itself and do the required repairing. Each cell has special work to perform and they work harmoniously, so long as they are in a healthy condition. As soon as they are overtaxed, or do not receive proper food, they weaken and become diseased. The great problem in connection with foods is to serve those which will supply the needs of the body in proper proportion without overtaxing the system in the disposal of waste products.

The chief uses of the food are: (1) to form the material of the body and repair its wastes; (2) to furnish muscular and other power for the work the body has to do and yield heat to keep the body warm.

The body being built of different kinds of materials, carbon, hydrogen, nitrogen, oxygen, etc., will therefore require that these be supplied in the required amount by the food. Since the system cannot deal with materials such as lime, iron, etc., which might be supplied in the proper proportion to sustain life, these must be procured second-hand from Nature, through plants, which store them in the form of cellulose, starch and sugar and are then in a form for suitable human use. Although the air contains a large percent age of nitrogen, it is not upon this we depend for the amount necessary in our systems. It too must come from our foods and it is to the class of foods known as proteins, that we look for this essential material. Foods supplying this are meat, cheese, milk, eggs, peas, beans, etc. The chief use of protein in the body is to build up the tissue and keep it in repair, as it becomes used or worn.

The element in fuels such as wood, coal, etc., which makes them of fuel value is carbon and the same is applicable to our foods, as those containing a high percentage of carbon will be best suited for this purpose. The group of foodstuffs known as fats and carbohydrates are therefore the best source of energy, since they are rich in carbon. It is on the vegetable kingdom we depend for these fuel foods. Sugar, one of the most important, is in a form with which the digestive organs can deal more readily than with starch, another fuel food. The starch has to be converted into sugar before it can be taken up by the blood and serve its purpose in the body. Some foods which contain a relatively large amount of starch, are rice, bread, oatmeal, beans, potatoes. The chief uses of carbohydrates are to supply heat and energy, but if taken in larger quantities than needed for this purpose can be stored in the form of fat which can be used as a reserve supply.

Another important fuel is fat. The chief source of supply of fat comes from the animal kingdom, but it is also obtained from the vegetable (olive oil). The chief use of fat in the body is to act as fuel to keep the body machinery in operation. It also serves as a covering and protection for the organs of the body.



H. S. PEARSON  
Instructor in Dairying



WM. GRANT  
Instructor in Blacksmithing



MISS A. MCKENZIE  
Instructor in Nursing.



W. J. BECKETT  
Asst. Instructor in Dairying.

There is another essential tissue building material known as **mineral matter**. The various tissues of the body contain different kinds of mineral matter in varied quantities and this too must be supplied by one's food and is just as important as protein, carbohydrates and fats. Some of the uses of mineral matter are for the growth of the cells, bones, hair, teeth, nails; for the production of red corpuscles in the blood; to aid in carrying off waste products from the system and purifying the blood.

**Water** is the last foodstuff for consideration, yet it is a most important one and if we study the composition of foods, we will observe that Nature has very carefully guarded our interests, by supplying such a large percentage of water in many foods. The body contains 87 per cent. and since this is constantly escaping by different outlets

from the body, it is most necessary to keep the supply replenished.

Every tissue contains water and cannot exist without it. It reduces the food to a liquid, so that it can be easily digested and absorbed. It dilutes the blood and aids in carrying nutrition to the cells and in the removal of waste products. It distributes heat over the body by promoting circulation and through perspiration, regulates the temperature of the body by carrying away surplus heat.

The housekeeper who has the welfare of her family at heart will not confine her interest in food to cooking processes and new recipes. Good cooks we must have and our standard of cooking could easily be raised, but other facts about food are important to-day and as we learn to prepare and serve food daintily, we must study some of the other problems.

# ALFALFA IN ALBERTA

By Don H. Bark, Chief of Irrigation Investigation Division,  
Department of Natural Resources, Canadian  
Pacific Railway Company.

No other forage combines so many essentials of merit as does alfalfa. It surpasses almost all other crops in acre yield, in feeding value and in beneficial effect upon the soil. It is not only perfectly adapted as a hay for cattle, sheep and horses, but is as well the best dry forage that is known for hogs. It invariably gives good results when used as a pasture for either hogs or horses, and cattle and sheep can be pastured upon it but this is not recommended as loss from bloat is liable to be experienced. The number of live stock kept on Alberta farms is bound to increase, and considering its great value as a food for this stock, there is surely a great need for a greater acreage of alfalfa in the Province.

## Food Value of Alfalfa

■ An analysis of alfalfa shows that

it contains fully as much food value ton for ton as wheat bran, and this can not be said of any other hay grown in the Province; feeding tests have also always shown its great value for all classes of live stock.

Among the many tests on record showing the value of alfalfa a few typical ones might be quoted. The Missouri Agricultural Experiment Station in a comprehensive series of tests found that when pork was valued at eight cents per pound, alfalfa pasture would give a return of \$47.34 per acre; clover, \$45.41; rape, oats and clover, \$32.50; blue grass, \$29.39; and rye grain only \$16.93.

The Illinois Agricultural Experiment Station, in Bulletin No. 146, shows the results of an interesting test of the relative values of alfalfa and timothy hay for milk produc-



ALFALFA AT BASSANO, ALBERTA. AUG. 1916, —73 DAYS AFTER PLANTING.

tion. It was found that with milk at \$1.00 per hundred pounds a ton of alfalfa is worth \$8.36 more than a ton of timothy for milk production and that an acre of alfalfa with a yield of four tons is worth \$58.44 more than an acre of timothy which yields only one and a half tons. With milk at \$2.00 per hundred, an acre of alfalfa on the above basis would be worth \$91.88 more per year than an acre of timothy.

Many other experiments might be cited showing the great feeding value of alfalfa over other foods for cattle, sheep, horses and hogs but space will not permit. The best and most conclusive test that can be made would be for more of our farmers to grow and feed the crop themselves.

### Varieties of Alfalfa

There are said to be between fifty and one hundred species of alfalfa but only a few of these are of much economic importance and they are all much alike in appearance. The original home of Alfalfa was in the warmer parts of Asia, in a climate more like that of California than that of Alberta. During the past fifty years it has gradually spread from Southern California as far north as Central Alberta. This transition, however, has been a gradual one, thus giving the plant time to increase in winter hardiness, and it is doubtful whether or not seed brought directly from Southern California to Central Alberta would be able to withstand our more rigorous climate. There are now three principal varieties grown in Alberta, namely the Grimm, Turkestan and Northern Grown. These have all been grown under rigorous conditions for many years and are now able to withstand our winters. There is not much difference in the

productive capacity of any of these three varieties though it is believed that the true Grimm seed, of which only a small quantity is available, is the most hardy of the three. In any case, whatever variety of seed is used, one should be sure that it has been grown in a region of cold winters for a considerable time and that it is of good vitality and free from weeds.

### Amount of Water Required

A long comprehensive series of tests made with alfalfa and other crops in the irrigated sections of the Western States has demonstrated that alfalfa requires more moisture for maximum production than almost any other crop grown. This is caused by the rapidity of its growth, the great amount of forage produced and the large leaf surface that is exposed to the drying action of the summer sun and winds. In soils and climates that will produce a maximum crop of wheat with one acre foot of irrigation water per acre alfalfa will be found to require two acre feet if maximum production is to be secured. This however, does not mean that alfalfa cannot be grown without irrigation.

Although requiring large amounts or maximum production it is also, because of the nature of its tap root, a good drought resister. This tap root has been known in many cases to extend into the soil to a depth of from ten to twenty feet so that periods of drought which would effectually kill wheat would not have any effect upon alfalfa except to decrease its production. There are large areas in Alberta outside of the irrigation block that are no doubt adapted to alfalfa and that should give yields of from one to two tons per acre per year. The

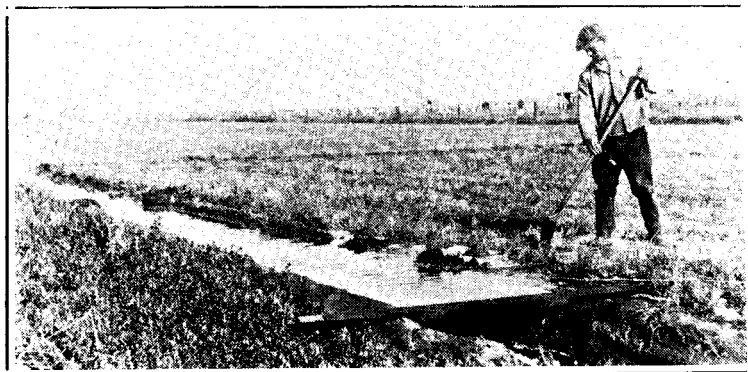
yields in the irrigation block, where an adequate supply of moisture is always available, will range from two to four tons per year. It is therefore advised that irrigation should be provided for the alfalfa wherever possible.

### Irrigation of Alfalfa

In the preparation of the land for irrigation, care should be used to smooth up all of the minor irregularities. This can be done usually both cheaply and economically by means of a float leveler, a home-

### Preparation of Seed Bed

Alfalfa always requires a good seed bed and should not be planted on cloddy or weedy ground. The seeds of alfalfa are very small and cannot give good germination if planted on a poorly prepared seed bed. This must be borne in mind whether it is planted on dry or irrigated land. If seed of good vitality is secured, from ten to twelve pounds of seed per acre is sufficient. Ten pounds of seed, if evenly scattered over an acre will place fifty-two seeds on every square foot. If half of these grow a very



IRRIGATING ALFALFA AT STRATHMORE.

made device constructed of planks on edge. This float is drawn across the field with from two to four horses, the planks on edge having somewhat the action of a jack plane, cutting off the little knolls and depositing the dirt in the smaller depressions. The number of irrigations required and the proper time at which to apply them will be largely governed by the type of soil and the weather conditions experienced. Normally, one medium irrigation will be required for each crop or a total of two during the season.

good stand of alfalfa will be secured. The seeds being small they should not be placed at too great a depth. If planted during the moist weather in the latter part of May and June a covering of half an inch is sufficient. They should never be planted deeper than one and a half inches.

While alfalfa requires, as has been stated, a large amount of moisture in order to produce a maximum crop, it should never be planted on low, wet ground without surface drainage. A well drained soil is always required.



### Inoculation

Probably one of the most frequent causes of failure with alfalfa in Alberta is failure to properly inoculate the seed. Alfalfa is much richer in nitrogen or protein than other forage crops; so rich, in fact, that it if were not for the bacteria which supply this nitrogen to the alfalfa but few soils would be rich enough in nitrogen to produce a maximum crop for any length of time. These bacteria, which supply the nitrogen are therefore absolutely essential to the successful production of alfalfa. In some sections there are enough of these already in the soil so that they do not need to be supplied artificially. This, however, is not true with the soils of Alberta. The cheapest way to supply these is by inoculating the seed with culture which can be secured from the Provincial Department of Agriculture. Directions for applying this culture accompany each bottle and should be strictly followed.

Another method of supplying these bacteria to the alfalfa fields is by scattering soil, from an old alfalfa field that has become well inoculated, on the surface of the field to be planted. From 250 to 500 pounds of soil per acre has been found to be sufficient. This should be protected from the sunlight continuously from the time it is dug until it is applied to the field and should be evenly scattered and immediately harrowed in before the sunlight has time to kill the bacteria contained in the soil.

Whether or not an alfalfa field is properly supplied with bacteria can be determined by a careful examination of the roots of the plants during

the summer season. If properly inoculated a large number of small whitish nodules varying in size from the size of a pin-head up to clusters slightly larger than a pea, will be found attached to the roots in the surface foot of soil. Careful digging, however, is required to secure these nodules without breaking them off from the roots.

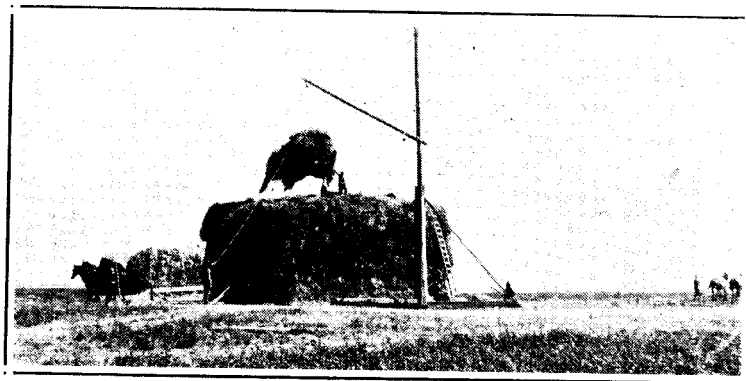
### General Treatment of Alfalfa First and Succeeding Years

After planting alfalfa and covering the seed there is nothing to be done with it until it has reached a height of from six to ten inches, except to see that it has a proper supply of moisture. At from six to ten inches in height, whether the field is weedy or not, it should be clipped in order to strengthen the crowns and thicken up the growth. The clipping should be done early enough so that it can grow to a height of fully six inches after clipping that year. This growth should be left on during the winter to hold the snows as it is found there will be much less winter killing than if it were clipped close or pastured down late in the fall. The cutting and harvesting of alfalfa is not materially different to that of any other hay. The crop is ready to clip about the time it begins to bloom, the exact date usually being determined by the appearance of the small basal shoots around the crowns near the ground. These are really the sprouts of the succeeding crop. If it is left so long that these have attained a sufficient height to be clipped by the mower the growth of the second crop will be materially

retarded. It should be cured in rather large bunches in order to prevent as much bleaching as possible and preserve its natural green appearance. As the largest portion of the feed value of the alfalfa lies in its leaves, care should be used to preserve all of the leaves. This is usually done by raking the alfalfa about twenty-four hours after cut-

other hays, they should preferably be topped off with prairie or timothy hay.

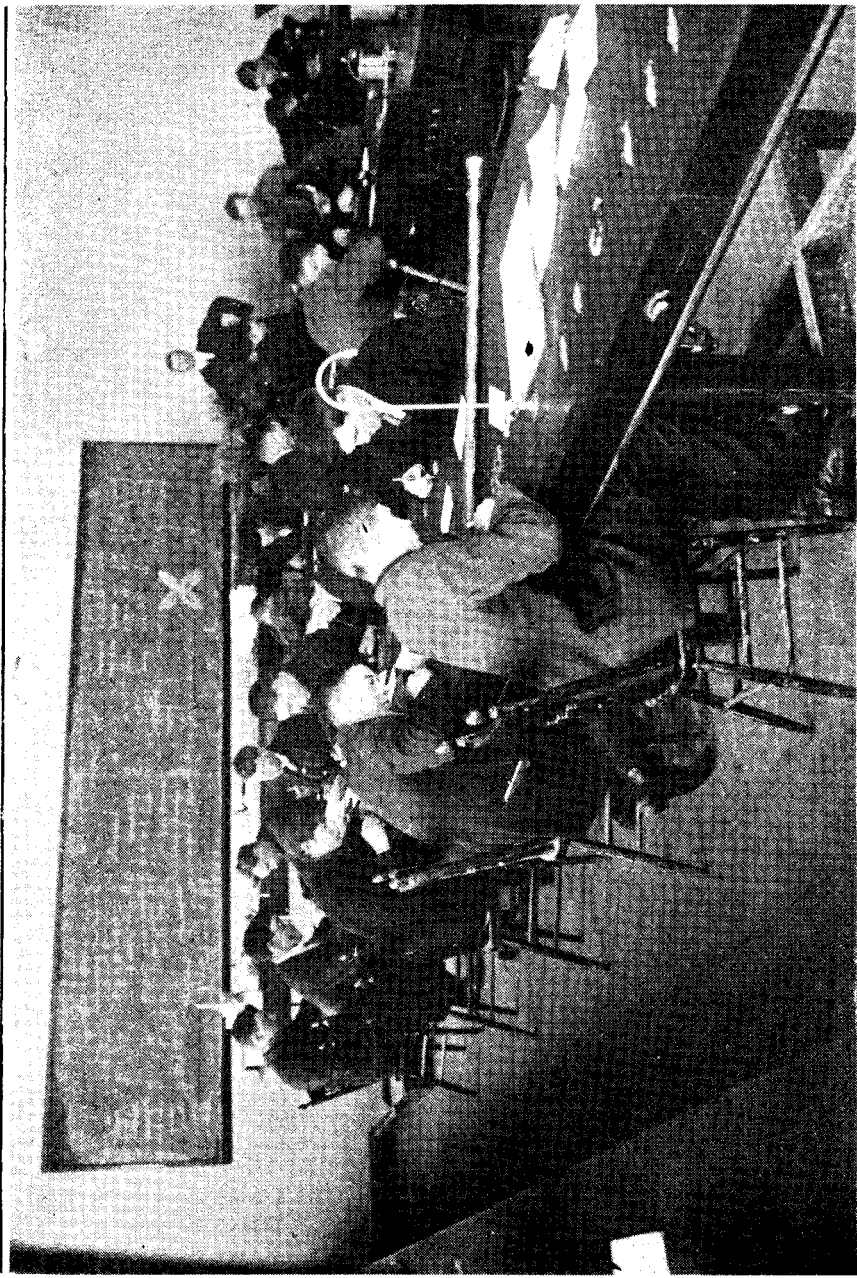
Alfalfa has now been produced with success in Alberta for a sufficient number of years so that it may be said to have passed the experimental stage. There is no question but that this crop will do well here, provided it is planted right and given



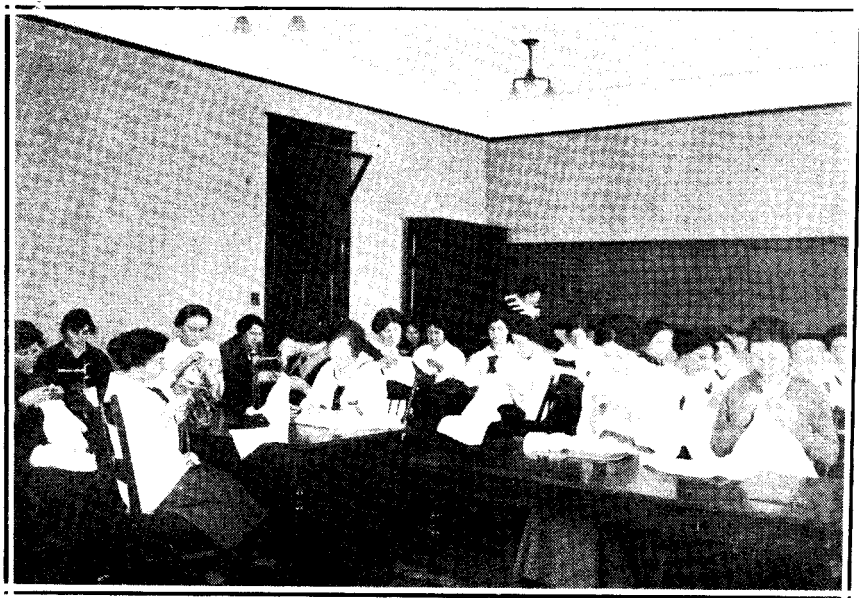
STACKING ALFALFA AT BROOKS

ting provided the weather is hot and dry and placing it into the cock when about half dry, before the leaves have fallen off. It should be stacked in rather large, well-made stacks, presenting as little exposed surface as possible. As alfalfa stacks do not shed water as readily as some

the proper care. It is already the main forage crop of the majority of the Western States, and there is small doubt but that it is destined to find a permanent place on the majority of Alberta farms. Let us give this plant the attention that it deserves.



LEARNING TO KNOW GOOD SEED GRAIN  
1st Year Men. Seed Judging. Agronomy Building, under direction of F. S. Grisdale, B.S.A.

**REAL PRACTICE**

Sewing Class (1st year girls) under direction of Miss A. M. Lavalle.

**LEARNING THE POULTRY BUSINESS.**

Plucking crate-fattened poultry (2nd year men) under direction of Mr. Geo. Scott.

## HOUSEKEEPING A PROFESSION

By Miss E. Cuming, Instructor Household Science, Olds.

A few years ago the position of housekeeper was looked upon as one of minor importance and any woman, old or young, skilled or unskilled, was thought competent to fill the position. With the advancement of education the people



MISS E. CUMING

Instructor Household Science.

generally are becoming more enlightened and housekeeping is being given its proper status.

Housekeeping ranks among the professions. It is much more than a trade, since one who works at a trade does each day the work assigned, the work being planned and directed by some one else. In that case the worker does not spend either time or energy in deciding his activities. It is the director who has the initiative, planning and guiding. With housekeeping, the housekeeper has the initiative, planning and directing the business of the home; and only the woman who has a right sense of her responsibility

can assist the wage-earner. It is beyond a doubt that any woman engaged in that line of business requires just as much education as any other profession. Everywhere training is showing its benefits in the greater efficiency and skill of those who take advantage of it. Women cannot spend money to advantage until they are capable of estimating values. The word of the tradesmen is a very poor guide. Houses turned over to experts usually show an abundant expenditure but no individuality. The fullest and most completely rounded education is none too good for one who is called upon to impart such varied information as is the housewife.

Now-a-days it is looked upon as the man's duty to provide or produce the means for livelihood for the family, but even though the man provide for the house it is for the woman to make the home. It is her duty and privilege to provide health, comfort and happiness not only in the house but also in the community; so many of us forget the latter, and instead of giving our little contribution in whatever way we can, we sit still and grumble because other people are not doing what suits us, never thinking for a minute--what are we doing to make our district or town the better?

A mother is really a "Jack-of-all-trades." No matter what is wanted in the home, the mother is invariably asked to supply it.

If the child is sick he or she goes to the mother; after school the first cry is: "Where's Mother?" If business is not very flourishing or the crops bad the wife is the one who helps the husband out. Now in carrying out these many and varied duties the better the mother's education and the wider her scope of knowledge the better will she be qualified to act and advise.

These many and varied duties demand a person who has considerable training. If the housekeeper is to take her place with women in other professions and command their respect she must have adequate training. Until a comparatively recent date the housekeeper has depended for her knowledge on her own experience or on that of others with whom she associated. However valuable this experience may be we have come to recognize that experience alone is insufficient to meet the demands made on the modern housekeeper. Recognizing this fact all progressive governments have made provision for the training of women who desire to follow housekeeping as a profession. In our own Province the agricultural schools are the chief institutions which provide theoretical and practical training in Household Art and related subjects. A brief outline of the courses provided at these schools is as follows: In Cooking: The baking of bread, cake, biscuits and puddings; canning and pickling, jelly making, preserves, invalid cooking, methods of cooking meat, poultry and fish, soup making. Laundry includes washing and ironing all materials, dry-cleaning and removing stains.

Sewing: The making of underwear and dresses, the drafting and use of commercial patterns, patching and darning. Embroidery: All the embroidery stitches including punch-work, eyelet, smocking, crochet, knitting and tatting. Sanitation: Conditions, care and plans for cellars, ventilation, lighting, heating and water supply. Home Nursing: The treatment of diseases, accidents, administering medicines, disinfecting, bandaging. Chemistry: What makes water hard and method of softening it; impurities in water and their removal, soap-making, understanding of the principles underlying ventilation and heating systems; heat-producing value of different fuels; composition and action of baking powders; composition of food; the function of the different constituents; the relative importance and value of foods; detection of adulterants; identification of fibres—wool, silk, cotton and linen; dyes, preparation of compounds for removing stains.

Bacteriology: Cause and prevention of contamination of milk and water supply, and food supplies generally; spread and prevention of infectious diseases, action of yeast and moulds, and the relation of bacteria to canning and preserving. Household administration: Organizing household duties; choice, cost and care of utensils and furniture; method of entertaining; planning, furnishing interior and exterior finishing of the home; marketing. Book-keeping in connection with the farm and home. Horticulture: The cultivation of vegetables, trees, fruit and flowers. Dairying: Milk production, milk testing,

butter and cheese-making. Poultry: The rearing, fattening, marketing, housing and feeding of poultry. Foods: General composition of foods and their uses in the body; reasons for cooking food. Drill: Swedish exercises and folk dancing.

A thorough and intimate knowledge of all these branches is necessary in the skilful administration of the home. The knowledge of Bacteriology and Sanitation helps to insure the health of the family. Bookkeeping and practical housekeeping as have been demonstrated in the Olds school where the girls supplied two meals per day for six persons for a week under the direction of a Household Science specialist at a cost of 14 cents per meal, cannot

fail to impress on the minds of the students the economic values of foods. These ideas and principles will in turn be passed on to the home and make for economy there. In addition to the health and economy of the home, household art and related subjects provide for comfort and happiness therein. Interest is awakened in the work, and drudgery is eliminated. Work is done with greater intelligence and better success. Our aim at the school is to make housekeeping a profession; to make the girl ambitious to go back home and better conditions there. More comfort does not necessarily mean more expense; often some new ideas with a little thought and some energy expended will bring about a great amelioration.

## RANCHLAND AT DUSK

Original Poem by Bessie C. Kerr.

The sunset is gilding  
Each rough-like log building,  
And streaming on barn and shack;  
The soft light clinging,  
O'er all is flinging  
The lines of beauty they lack.

Home from the ranges,—  
Their trail seldom changes—  
The thirsty cattle come wending;  
Where loudest the bells,  
A rushing sound tells  
Over the creek they are bending.

Now floating white mist  
The pine trees has kissed,  
Deep in the canyon so still;  
While through the dusk falling,  
The night hawk is calling,  
And echo its cry loud and shrill.

The day's work is ended,  
And toil has been spended  
In clearing the forest away;  
But now, in the night,  
The peace and the might  
Of sleep hold the valley in sway.

Now kindling a fire  
On some mountain spire,  
And robing the tall green pines  
In a glory of light,  
The moon full and bright  
Over the canyon shines.

Far over the trails,  
Where the coyote wails,  
And bathing the desolate hills,  
In dark gulches streaming,  
On hidden creeks gleaming,  
And changing the world it fills.

## A Plea for Landscape Gardening on the Farm.

By Agnes Scheffler, O. S. A.

"There is no time for landscape gardening on the Western farm for the first three or four years. The farmer has more important work to do, work that will bring returns in dollars and cents, and he cannot bother with it. Neither can his wife."

This is the reason given by most farmers for the bare, lonely appearance of their homes, situated on the bleak prairie. I do not believe it is a good reason.

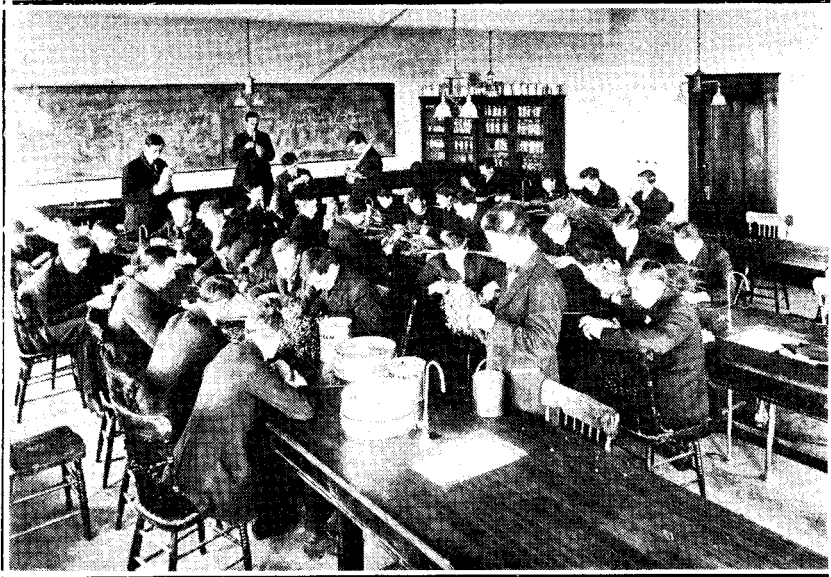
By landscape gardening I do not mean the work that is done by people who have made this work their special study, but the judicious planting of some shade trees, shrubs and flowers about the house to beautify the farm.

The object is "to beautify." The farmer will say he cannot afford to spend his valuable time "beautifying" his surroundings. What returns will he get from it? He is not on the farm for the good of his health. He is there to make money. I grant that, but besides making money, he is also making a home. He wants to work feverishly for a few years so that he may settle down and take things easier, then look around and perhaps even think of beautifying his surroundings. But what of those first few years? If he is alone, well, he shouldn't be. What of his wife and children? I know he wants his money to make them happy. But is the price paid worth it? His wife and children, and he too, will not love the place that meant only work, work, work to them. Children need a garden and lawn and flowers. It is natural for them to have flowers so why deprive them for the sake of being

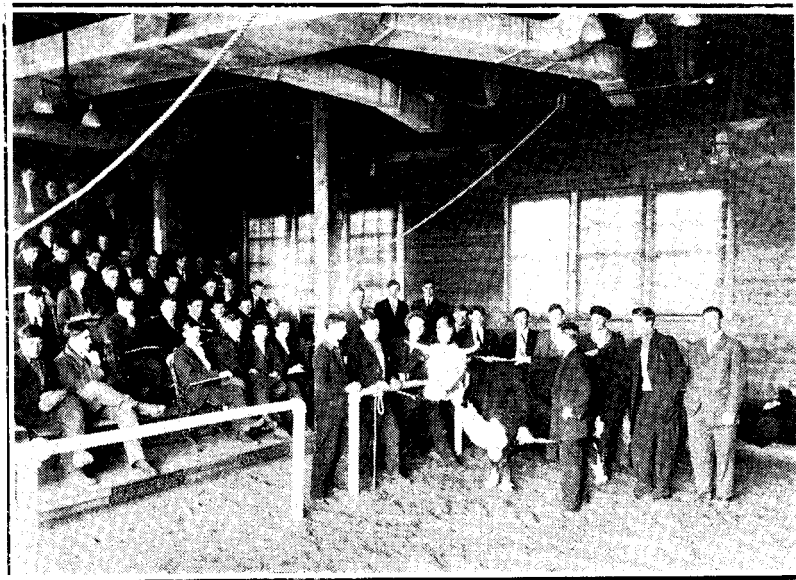
a little farther ahead at the end of a few years. With a little care exercised in beautifying the homestead the occupants will learn to love it and it will mean a real "home" to them instead of only a place to make money. The children will not be so apt to leave the farm and is this not worth more than a few more bushels of wheat or a few more head of cattle? If you put off your landscape gardening for a few years, it is likely it never will be done, or if done, it will be too late to serve its purpose—helping people to live a richer and fuller life. Aside from this, the work will afford a pleasant change from the usual work of the farm or house and materially increase the value of the farm.

This "beautifying" does not require much work. It is necessary to have a definite idea of what you wish to accomplish and then work towards that end. In this planning, provide for a fair amount of lawn to the front and sides of the house. This lawn may be bounded by trees or shrubs or have trees and shrubs grouped on it to secure a natural effect. Flower beds may be placed at the edges of the lawn or surrounding the house. Trees may be planted in rows to form a shelter belt at some distance from the buildings. Trees and shrubs may be ordered in winter time and may be secured free of cost from the Department of Agriculture. The planning will provide profitable and enjoyable employment for many long winter evenings for the entire family. The actual work remaining to be done will be a pleasant change both for the farmer and his wife and will not take up much of his time.

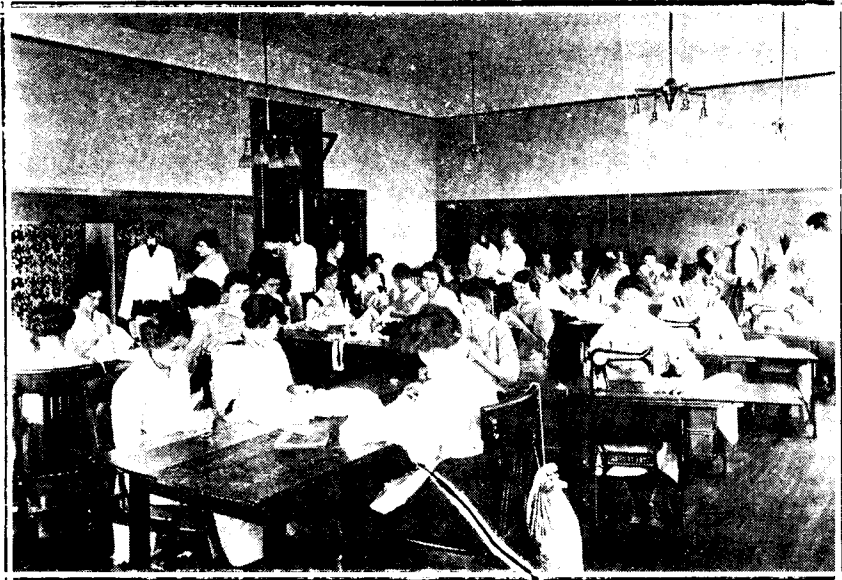




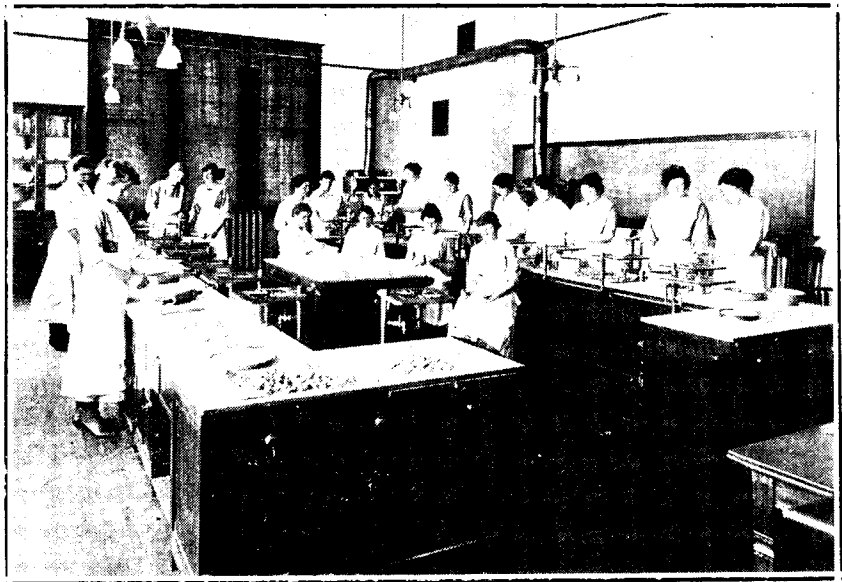
PRACTICAL GRAIN JUDGING, CLARESHOLM.



LEARNING THE LIVE STOCK BUSINESS, CLARESHOLM.



LEARN TO DO BY DOING—CLARESHOLM.



CAKES FOR THE HOME FOLK AT CHRISTMAS—CLARESHOLM.

## The College of Agriculture and its Relation to the Province

By Three Ex-Students—C. A. Scholl, O.S.A.; N. A. Clark, V.S.A.; R. Sinclair, O.S.A.

The history of the most enlightened nations shows that the university has always been the centre of the educational world. No matter what change our ideas of learning or educational methods may have undergone with the passing years, that position is still occupied by the University. While in the Old World, there seems to be a certain hesitation about placing the more recent sciences of engineering and agriculture under its control, in the New World that hesitation does not exist. Our universities, unhampered by traditions, have not hesitated to put these on an equal footing with the arts and older sciences; thereby they dealt with the problem in a just and able manner, and also with a clear conception of the benefits to be derived from such a move.

The University of Alberta, in establishing its new College of Agriculture showed that it was not unmindful either of its responsibility as a public servant or of the advantages to be gained by such a centralization. Comparatively few universities contain so wide a field under one organization. Here were enrolled students in the various colleges of Arts, Medicine, Pharmacy, Science, Engineering, Law and Agriculture. These students come into daily association with one another in the classroom, on the field of sport and at social functions. This in itself cannot fail to broaden and better the student's ideals to give him a keener insight into humanity and

enable him to meet the classes of people with whom he is bound to come into contact later in life. In such surroundings a student is not so easily led into a narrow, worn groove as so often happens in our age of specialization. Not the least important benefit derived will be a better understanding between the tiller of the soil and the man of the city.

With these advantages in its favor, the University is bound to leave its impress upon the social and economic life of the province. This impression should be most clearly manifested in the agricultural field; for agriculture being the chief basic industry of Alberta calls for the same consideration and supervision in its development and maintenance as any other basic industry. It demands, at least, the same support that every other progressive nation has found necessary to bestow upon it.

Scientific Agriculture means the application of the sciences to agriculture, and in a final analysis that proves to be a big undertaking. The development of agriculture in the last fifty years shows that it is dependent upon almost every known science, so that the successful farmer of tomorrow will not be following an art or a mere occupation, but must be a specialist in the application of scientific principles to agriculture. The coming age of specialization with its keen competition will demand this. The farmer in every working day of his life must have recourse to one or

several of the sciences to solve his difficulties, and the better his training along scientific lines, the more efficiently, profitably, and contentedly can he carry on his work. Five years of training will teach him the underlying principles of successful farming, whereas a long life-time of hard work cannot cover the field. No one denies the necessity of practical experience, but, if that experience be not accompanied by knowledge and a trained intellect it proves to be a long and tedious process, marked by many mistakes and sometimes failure. Moreover, the untrained man will always be handicapped because he has no conception of his place in the economic life of the nation. It is apparent, then, that scientific agriculture demands considerable training to be carried on successfully, just as is needed for any other industry.

Practice affords a most striking confirmation of the above fact, that unless training goes hand in hand with experience, farming is usually carried on in a manner detrimental to the best interests of the nation. Agricultural development in the United States brings this point out quite clearly. Settlers taking up land in that country put into practice the same methods of farming as centuries of experience had taught them to use in their own countries. While those methods were generally good they were not all adapted to the new land. Moreover, careless ways of farming became common because the settlers found, that whatever methods they followed, prosperity resulted. Through ignorance, and perhaps greed, these farmers did not stop to consider that their prosperity was due, not

to their methods of farming, but to the fact that their fields contained the accumulated fertility of ages. The more bountiful their fields were, the more ruthlessly they were despoiled. The day of reckoning came at last. The nation awoke to find itself confronted by whole areas of devastated, deserted farms, farms that were too poor to raise a decent crop of weeds. The lesson that practical farming, while it may be profitable for a time, is a most effective way of ruining the land was well learned. The nation, once aroused, set to work to check the spoilation of her fields, and to bring back their wasted fertility. The result was that numerous agricultural institutions were established, most of them in connection with the universities and now receive almost unlimited support from the government. The tremendous growth of these institutions, their great influence as in the state of Wisconsin, and the many services they are called upon to render, all show how important they are in the life of that country.

What has been said regarding the country south of us is equally applicable to Alberta. There is nothing to be gained by imagining that farming in this province is being carried on either as economically or as intelligently as it should be, or that the farmer, unlike his neighbor below the line, can work out his own salvation. And so the establishment of the College of Agriculture was the only logical and practical way of helping to place our chief basic industry in a sound economic position. Alberta will be as vitally concerned with the work and the product of the College of Agri-



culture as every other country has learned to be with the work of their respective agricultural institutions.

Alberta, being unlike the other provinces in soil and climate, will have to develop the methods of farming best suited to her own conditions. Some of these problems, such as rotation of crops, forage and cereal crops, pasturage, available feeds, can only be solved by actual experience on the farm. There will be as many more scientific problems such as analysis and classification of soils, feeds, plant and animal diseases, which can only be solved in the laboratories by painstaking and intelligent research work. All these problems must be solved sooner or later, and there is only one intelligent way to solve them. We can look to the trained agriculturist, who goes back to the farm, to settle many of the practical problems, while the more scientific problems must await the coming of the highly-trained student to take up research work.

There is one other distinct benefit derived from the establishment of the College of Agriculture. The exodus of the boy from the farm to the city will be checked. Heretofore the farm boy, looking for higher education, found all courses, except agriculture, open to him. After training himself in Arts, Engineering, Law, or any other branch it is natural to suppose that the boy had very little tendency to return to the farm. The situation was only aggravated by the fact that it was always the more intelligent and active boy that was enticed from the land. With a good course in Agriculture available in the

province, the boy raised on a farm will find every inducement to improve himself in the calling in which he is already well trained. A college training in Agriculture offers no inducement to take the boy away from the farm, but on the contrary, the boy will realize what opportunities lie before the progressive farmer, and he will return to the farm a more intelligent and useful citizen of the country.

Perhaps to some of the boys coming from the farm, university life may hold all sorts of imaginary terrors, but once he takes up his residence at the university, his misgivings quickly disappear. Many of the other students come directly from the farm, and all are just as human as he. There is nothing to make him feel out of place or lost, and he is always welcomed into every phase of the university life. He soon realizes that he is a member of a student body, and has as much voice in the control of affairs as any other student, and the only qualification demanded is that he be a man. No secret societies or any organization that would create snobbery are tolerated, and all are on an equal footing.

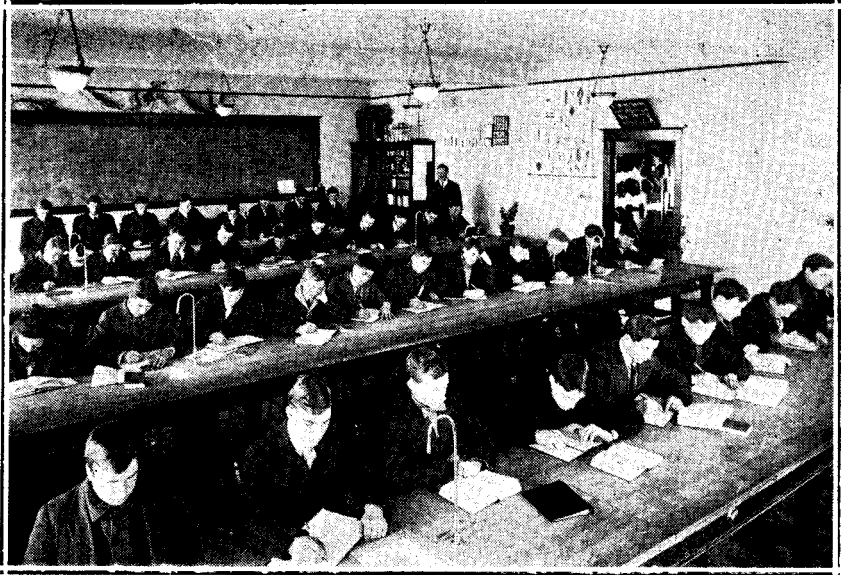
To such an institution may Alberta look with pride, and rightfully may she expect those whom she serves so well—the farmers—to lend their support and co-operation to the College of Agriculture. Its establishment can be looked upon as one more mighty stride which this province has taken in her attempt to place herself in the same social and economic position as the other provinces of the Dominion. It is a declaration that we have confidence in the future of Alberta.



REAL KITCHEN WORK. OLDS



PRACTICE IN CHEMISTRY. OLDS



STUDYING BARN PLANS. OLDS



PRACTICAL SEWING. OLDS.



## Reducing Cost of Pork Production by Use of Pasturage

BY G. H. HUTTON, B.S.A.

**T**WO ways of increasing profits are open to the farmer; the first consists in lowering the cost of production, and the second in marketing at higher prices. I have placed first the lowering of costs of production for the reason that this method of increasing profits is largely within the control of the individual, while the second method, the marketing for more money is largely within the control of a number of individuals who co-operate. The first is a matter of individual will or purpose, while the second presupposes a community sufficiently harmonious in its purpose to act in unison on a given question, and is, therefore, somewhat more difficult to achieve than that plan which depends upon the individual only. I will deal only with the first phase of this problem. This is, however, an age of co-operation, and both methods for increasing profits will be intelligently applied on the farms of this country to an increasing extent each year.



G. H. HUTTON, B.S.A.  
Supt. Dominion Experimental Farm  
Lacombe, Alta.

Pork production in Alberta has been alternately on the crescendo and diminuendo, prices rising and falling in proportion to the supply of raw material, with the result

that the equipment on the farms and elsewhere for the handling of hogs has been alternately inadequate and idle. As compared with a uniform output these variations always result in waste and loss of money, both in getting in and getting out of the enterprise.

By providing pastures for hogs we have a means of reducing costs to a level which will afford a larger guarantee of profit and consequently the business should assume an aspect which will prove more attractive to capital, because more stable.

In 1915 results of somewhat extensive experiments conducted at Lacombe showed decidedly economical gains on the average of all pastures as compared with gains made by hogs carried in a dry feed lot with the same per cent. grain ration as those on pasture. The difference in grain cost of one

hundred pounds of pork was \$1.76 in favor of pastures. Most economical gains were made on alfalfa and rape, and the most expensive gains where wheat was used as the pasture crop. A spread of 70 cents per hundred in the cost of producing one hundred pounds of pork was shown as the saving made by the use of the best pasture as compared with the poorest. This means that with a two hundred pound hog the producer would effect a saving of \$1.40 by selecting the best pasture rather than wheat, the poorest pasture. In 1916, Wheat, barley, alfalfa, sweet clover and rape pastures were compared.

The results largely confirm those of the previous season and again indicate wheat as the most expensive pasture crop or rather that the gains made on wheat are the most expensive. In addition to pasture, 4.947 pounds of grain were required for one pound of pork. Barley pasture required in addition, 4.047 pounds of grain, and alfalfa 3.833 pounds. The gains on rape and alfalfa in 1915 were practically equal, the rape requiring 3.803 pounds to 3.833 for alfalfa.

Sweet clover being seeded in the spring of 1916 was not productive of very much pasturage this season, nor were the gains made particularly economical, 4.672 pounds being required for each pound of gain made, in addition to the pasture. This is, however, the first season's work with sweet clover, and definite conclusions in regard to its value are not warranted from one year's work. The alfalfa and rape also carried the largest number of pounds of live weight of hogs per acre during the season. They have, therefore, not only the ad-

vantage of producing gains most economically, but the further decided advantage of carrying the most pounds of live hogs per acre. Alfalfa carried at the rate of 1,570 pounds per acre during the season and rape, 1,980 pounds.

Owing to the somewhat peculiar weather conditions of 1916, I am not prepared to state that these figures represent the absolute relative values of these two pasture crops. Experiments are being planned for the coming season which will include a much larger number of hogs than we used in 1916, and the results of the coming season will be anticipated with interest.

The work during the past two years has established the fact that land used in the production of alfalfa or rape to be pastured by hogs will return a larger profit through the grain saved than can be realized from any ordinary crop of grain or hay. The land is left in good condition for a succeeding crop of either pasture or grain crop in the case of rape, and up to the present we have not considered alfalfa injured by pasturing. Should it continue to prove satisfactory in this respect it will be one of the best, if not the best pasture crop for hogs in this province, both as to economy of seeding the crop, the acre capacity and the economy of gains made thereon. A saving of \$1.40 in the grain cost of each 200 pound hog produced in Alberta in one year would reach a tremendous total on the basis of our present output, and, as the years pass, and our production increases, the saving of even one-tenth of this amount by the use of pasture would mean very much to the pork producers of Alberta.

## What Science Can Do For Agriculture

By J. G. Taggart, B.S.A., O.S.A.

At a time when the Governments of all civilized countries are turning to Science for aid in the solution of present industrial and agricultural problems, we are strongly inclined to the belief that every person interested in the advancement of Agriculture in Alberta should consider carefully what contribution Science can make to that end. In order to gain any adequate conception of the services that Science may render to Agriculture, we must consider briefly what has already been accomplished. A century ago a very considerable knowledge of chemical fact and philosophy had been accumulated but few were able to connect in a logical and useful way the chemical knowledge of the time with the process by which plant food is liberated, or with the absorption of the chemical elements from the soil and air and their elaboration into the complex compounds of which plant tissues are composed. As a result of this inability of Scientists to apply their knowledge in explanation of the many problems connected with the growth of plants and animals, many erroneous and even detrimental beliefs were held concerning these phenomena.



In the year 1840 Justus Von Liebig laid the foundation of modern agricultural chemistry by announcing the fundamental truth that plants receive one part of their nutriment, the carbon, from the air, another part from water, while the third and by far the smallest part, comes from the mineral constituents of the soil. He further announced his belief that carbon and water are not the limiting factors of plant growth but rather that the lack of soluble mineral material in the soil is responsible for most crop failures. He proved the value of his theory by

producing abundant crops, after much experimenting, through the use of small amounts of the mineral substances necessary for plant growth, on soil that was formerly barren. Von Liebig's views and theories were not all correct, as we have since learned, nevertheless his work served as a first great building stone upon which the Science of Agricultural Chemistry has been erected. One direct result of his work has been the introduction and use of "Chemical Manures" by means of which the crop yields of Europe have been nearly doubled in seventy-five years.

Since the time of Von Liebig, Science has done many things for Agriculture. By elaborate and carefully conducted research the principles of animal nutrition have been made clear. The values of most substances used for animal feeding have been determined, so that it is now possible for the farmer to substitute accurate calculation for guess work in compounding rations. The composition and chemical properties of the soil have been given most careful study. Such men as Hilgard and King have devoted their lives to the study of the numerous and frequently obscure factors controlling soil fertility, with the result that we now have a large store of information for all who cultivate the soil. While many other problems have been studied, the investigation of the properties of soils as related to plant growth and the studies in animal nutrition have been most valuable to Agriculture.

The fact that a very considerable body of scientific information, bearing on Agricultural problems, has been accumulated, has led to commendable efforts on the part of many governments to convey this information to the farmer in such a form that he can put it to practical use. With this branch of Agricultural work the scientist is not directly concerned, except in so far as a knowledge of farming is necessary to enable him to intelligently direct his research and his teaching.

In considering the relation of Science to Extension work there is, however, one aspect of the situation that must not be permitted to escape our attention. While Science has gone far toward solving agricultural problems, there is urgent need for further research. No Government, no educational institution that is sincerely desirous of performing the maximum service for Agriculture can afford to confine its attention to the work of disseminating present knowledge. At the last meeting of the Association of American Agricultural Colleges and Experimental Stations, the retiring President, C. E. Thorn of Ohio, expressed this fundamental fact most forcibly in the following words:—

"Science cannot stand still. Every extension of the horizon of our knowledge only expands the boundary of the unknown and makes yet more imperative the necessity for further research. The institution which contents itself with present knowledge will soon find itself forgotten."

But someone says, is not present knowledge, if it is only applied, more than sufficient to make Agriculture prosperous? The truth of this is doubtful because much of our alleged knowledge is not based on scientific investigation or, at best, it is based on investigational work conducted in other countries. It may, therefore, prove to be inapplicable under our conditions. Even granting that our present ideas are right, that they require no further verification, there are still many problems, particularly in a new country, about which we are admittedly ignorant. What are these problems? A few might be mentioned

The greater part of Alberta is semi-arid. This being so, water is frequently the limiting factor in plant production. We know that in countries where transpiration has been investigated, the amount of water required to produce one ton of dry plant substance varies from 250 to nearly 1500 tons. We know in a general way what factors control transpiration, but we do not know which of these factors is most

important under our conditions. Some of the factors can be controlled; others are beyond our control. What is the relative importance of those which can be controlled or influenced by farm practice? We do not know, but we should know, and we should be following the practices by which plants may be grown with the minimum of water.

What is the Chemical Composition; what are the deficiencies of the various types of soil found in our Province? What are the physical properties; the water holding capacities of these same soils? To what crops are the different types suited? To these questions we must reply either in very general terms, or not at all. Our knowledge is based entirely on a few years of experience, much of it contradictory, and upon experiments conducted elsewhere, the results of which may or may not apply here.

What do we know about soil and sub-soil in the irrigation districts? Is there sufficient natural drainage? Is there danger of the irrigated soil or adjacent soil becoming alkaline? What is the rate of evaporation as compared with the rain-fall? These and relating problems should be thoroughly investigated in every irrigated district.

Grains and fodder crops grown in Alberta are believed to differ somewhat in the composition and feeding value from the same crops grown elsewhere. The composition, digestibility and energy value of all the common Alberta fodders should be determined so that economical rations can be calculated for all farm animals.

Apparently, there is a serious lack of accurate scientific knowledge upon which to base sound agricultural practice. In view of this fact, it is clearly the duty of any technically trained man who has the opportunity, and of any person who directs the work of trained men, to make every possible effort to secure data which will in some measure fill the gaps in our present knowledge.

J. G. TAGGART, B.S.A.,  
Instructor in Science,  
School of Agriculture,  
Olds, Alberta.

## What The School Course Meant For Me

By Norman Ashwell Clark, Ex-student V.S.A.

In the first place, the time spent at the Agricultural School meant the opening of the door to the larger work in the University, where the general training in farming touched on at the school is extended and specialization in some aspect of the Science of Agriculture is begun. This specialization was my aim, and the School was the first step.

But along with this qualification for the more detailed study of the science, the course in itself was of great value in two ways: First, in gaining and arranging new ideas on farming, and, secondly, in the social side of the School life.

Many of the new facts obtained straightened out half-formed ideas received on the farm; others gave new thoughts for the farming of the future, facts essential to those who are interested in the time when the first phase of virgin land cultivation is passed and a permanent type of agriculture established. Not less important was the gathering together and systemitizing of the knowledge gained from the study of Experimental Farm Reports and Bulletins, and the explanations of the results of farm processes — the "why and wherefore" of every-day occurrences. To know, for instance, just how a summer-fallow conserves moisture for a crop, and why the plant needs so much water; or, why some crops are more suited to certain soils and conditions than others, ele-

mentary facts, but all tending to give reasons and preventing a blind acceptance of things as they are, without any question of the possibility of improvement. Or, again, in the study of animal husbandry, and the judging of live-stock to learn just where and why one animal excels another; to get the new ideas in feeds and feeding, and in Veterinary Science; to understand more clearly the action in butter and cheese making, and perhaps most interesting of all, to have an introduction to the problem of the soil, its chemical and physical properties and its countless numbers of animal and vegetable organisms. As the new ideas were gathered together and correlated, the desire for a fuller knowledge grew keener.

Under the social life of the School can be included the Literary Society with its debates, the Y.M.C.A. and its organization, as well as the purely social events carried on by the students. Those all helped to show us just where we stood, what we could accomplish, and where we were lacking, whether it was in public speaking and debates, or in our inability to dance and join a social group or in some other way. In them we could measure ourselves and be measured, and remedies, though effective, were not severe. It is due very much to this part of the School life that the time spent there was enjoyed so much and that the memories carried away were so delightful.



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Alberta's NATURAL RESOURCES are tremendous in variety and scope.

Alberta's GRAIN CROPS stand second to none in quality and yield.

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Alberta's remarkable RAILWAY DEVELOPMENT has opened up tremendous new areas of arable soil.

PROVINCIAL GOVERNMENT DEMONSTRATION FARMS AND SCHOOLS OF AGRICULTURE provide splendid opportunities for Alberta's farmers to study scientific agriculture and free agricultural education to their sons and daughters.

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Chief Publicity Commissioner,  
Edmonton, Alberta

**HON. DUNCAN MARSHALL,**

Minister of Agriculture,  
Edmonton, Alberta

When answering advertisements kindly mention the A.S.A. Magazine.

## The Value of My Agricultural Training

By Arnold H. Baker, Ex-student O.S.A.

The training received during two winters at the School of Agriculture certainly had a decided value for me, a value not to be estimated in mere dollars and cents.

The essentially practical part of the course on first thought, might seem to be of most use on the farm. To pick out the steer that will make a good feeder, to doctor a lame horse, to cut rafters, or to sharpen plowshares. Such things appeal most to the average farmer who generally has somewhat of a lurking contempt for "book farming."

This same despised, "book farming," however, has a tremendously practical value when you come to the point. To work out a "balanced ration" for your stock, which shall be at once most economical and most nourishing, to plan a crop rotation in which one crop restores to the soil the constituents upon which a previous crop has drawn. What could be more practical? There is a best way to do everything, even down to such everyday chores as milking the cows and feeding the pigs, and it is generally just as easy and much more profitable to do it the right way. So it seems to me

that a simple course of study of the Science of Agriculture, which will enable a man to direct intelligently the work of a farm in all its details, is of even more value than being able to do well the actual manual work.

But there is another value derived from the course, and to me perhaps the greatest of any. Through the daily work and daily contact with experienced instructors making the study of agriculture their life-work, and with keen fellow students who have come from and will return to the farm, one unconsciously acquires a greater sense of the "dignity of Agriculture" and a determination to aim at better farming. We cannot all at once erect large and beautiful buildings, buy pure-bred stock, or grow registered seed, but we can all aim to farm the best we know how with such means as we possess, and help to give agriculture a worthy place among the other industries which are all dependent upon it. And in the ambitions stimulated along this line are found the greatest benefits of the course at the Schools of Agriculture.

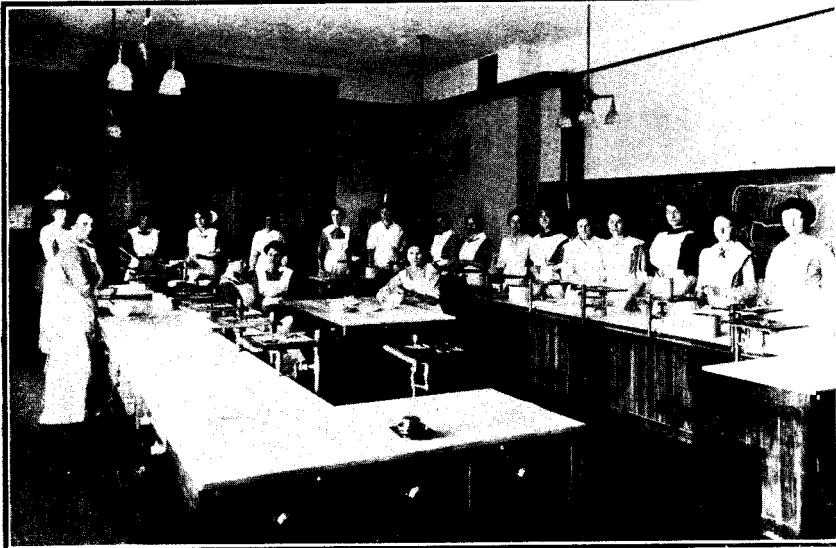
\* \* \* \*

Prof. S. T. undertook the delicate job of weighing all the girls for the Athletic Meet.

(Editor's Note): Scales have not been in working order since, due to overloading.

## Alberta Provincial Schools of Agriculture

CLARESHOLM - OLDS - VERMILION



GIRL'S CLASS IN COOKING

### FREE EDUCATION

## In Agriculture and Household Science for Young Men and Women

#### INCLUDING:

Live Stock, Field Husbandry, Agricultural Mechanics, Dairying, Cooking, Sewing, Sanitation, Household Administration, Laundry and, in addition, Courses in English, Mathematics and Science.

*The Course runs for five months in the winter. Students may enter without entrance qualifications.*

For particulars apply to

W. J. Stephens, B.A., B.S.A.,  
Principal, Claresholm.

W. J. Elliott, B.S.A.,  
Principal, Olds.

F. S. Grisdale, B.S.A.,  
Principal, Vermilion.

When answering advertisements kindly mention the A.S.A. Magazine.



## The Value of the Training at the Claresholm School of Agriculture

It seems almost impossible to tell the true value of the training given to students at the School of Agriculture, Claresholm.

As an ex-student who has taken the Household Science work I can not speak too highly of the benefit received from the course.

The work in cooking and in sewing appeals to most girls more than the rest of the course because they have been accustomed to do both and are eager to learn a more scientific way of doing them. It is so nice to know the "reason why" of things—to know what conditions bring about certain results.

The knowledge that housework can be done scientifically, as well as any other work seems new to this age. We know that if any work is done systematically and scientifically the labor part, manual, as well as mental, will be reduced. The very fact that the

Schools of Agriculture give training which tends to lighten the labor of housework: to change it from drudgery to pleasant scientific experiments, makes them a success throughout Alberta

The boys find the same results in their work—"Science lightens labor."

Apart from this the spirit of loyalty to School and to country is instilled in every mind. What better example of this can be found than the way our ex-students have responded to the call to France?

The Social life is one in after years to be looked back upon as the most delightful time of one's life. Although we have pleasant memories of our School days we have still more pleasant thoughts of the time spent at the School of Agriculture.

—EFFIE K. BLACKWOOD.

\* \* \* \*

### THE TEN COMMANDMENTS

1. Thou shalt not frequent pool rooms.
2. Thou shalt not smoke cigarettes.
3. Thou shalt not play with slot machines.
4. Thou shalt not rag.
5. Thou shalt not enter Chinese booths.
6. Thou shalt not entertain company later than ten-thirty.
7. Thou shalt not walk upon the gras'
8. Thou shalt not whoop or yell in the halls.
9. Thou shalt not wrestle in the library.
10. Thou shalt not spend more than one night out per week.

# UNIVERSITY of ALBERTA

EDMONTON

Session 1916-17

## COURSES OFFERED IN

ARTS—Leading to B.A. and B.Sc. Degrees.

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MEDICINE—Three years of a five-year course. Arrangements are made with McGill and Toronto to accept our students ad eundem. Under this faculty, also, two years instruction is offered in DENTISTRY. Students may then complete their third and fourth years at Toronto or McGill.

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ACCOUNTANCY—Lectures dealing with subjects included in the Intermediate and Final Examinations, leading to the Degree of C.A., and covering the requirements of the Institute of Chartered Accountants of Alberta.

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*Registrar.*

# A. S. A. ALUMNI NOTES

## 1916 GRADUATING CLASSES

### CLARESHOLM—BOYS

The following is a list of the graduates in 1916, together with what they are doing:—

H. T. HARRIS . . . . .	Farming.
L. W. COOMBS . . . . .	Farming.
O. J. RUSHFELDT . . . . .	Farming.
W. RUSHFELDT . . . . .	Farming.
W. NEILSON . . . . .	Farming.
C. E. DAVIS . . . . .	Attending High School.
R. NEILSON . . . . .	Farming.
GEO. BAILEY . . . . .	Farming.
DERAL HUMMON . . . . .	Farming.
CECIL TAPP . . . . .	Attending Agricultural College at Edmonton.
GOLDIE STRAUGHAN . . . . .	Farming.
CLARENCE CYR . . . . .	Farming.
JOHN MORRISON . . . . .	Farming.
WILLIAM EDEY . . . . .	Farming.
THOMAS LONG . . . . .	Attending Agricultural College at Edmonton.
JOS. STRAUGHAN . . . . .	Farming.

### GIRLS

MABEL MAXWELL . . . . .	Dressmaking.
MARY JACKSON . . . . .	Attending High School.
FLORA MORRISON . . . . .	At home on the farm.
E. BLACKWOOD . . . . .	Teaching in the Public School, at Warner.
MABEL STRAUGHAN . . . . .	At home on the farm.
C. MALCHOW . . . . .	At home on the farm.

### OLDS—GIRLS

LILIAN F. ARCHIBALD . . . . .	Taking her degree course at M.A.C., Wpg.
ZELMA CARRICO . . . . .	At home at North Yakima, Wash.
AMY B. CATTNACH . . . . .	Dressmaking at Acme.
HELEN MCCORNACK . . . . .	Now Mrs. A. E. Best, living on a farm at Carbon.
MRS. WONG POND . . . . .	With her husband in hotel, Didsbury

### BOYS

ARNOLD BAKER . . . . .	Farming at Clive.
WALTER BICKNELL . . . . .	Enlisted in 137th Battalion.
ARTHUR CARMODE . . . . .	Farming at Crossfield.
ARDEN DEADRICK . . . . .	Farming at home, near Didsbury.
ALEX. ELLIS . . . . .	Farming at Lacombe.
FRED FALKNER . . . . .	Farming at Drumheller.

## ALBERTA LIVE STOCK ASSOCIATION AND CALGARY EXHIBITION

Spring Horse Show and Cattle Show and Sale, Calgary  
April 10th to 13th.

Auction Sale of Bulls, Lacombe, May 30th.

Calgary Industrial Exhibition, June 28th to July 5th.

Annual Wool Sale, Calgary, August 8th.

Calgary Horticultural Show, August 21st to 23rd.

Annual Auction Sale of Dairy Cattle, Calgary, Oct. 30th.

Annual Auction Sale of Sheep, Calgary, October 31st.

Alberta Winter Fair and Auction Sale of Livestock,  
Calgary, December 11th to 14th.

Entries for auction sales close one month prior to date  
of sale.

## Edmonton SPRING HORSE SHOW BULL SALE AND FAT STOCK SHOW April 3rd to 7th

## Edmonton SUMMER EXHIBITION July 9th to 13th, 1917

W. J. STARK    ::    ::    ::    Manager

When answering Advertisements kindly mention The A.S.A. Magazine

GEORGE W. GORMAN .	Travelling for The Advance Rumely Threshing Company, Calgary.
JACK HODGSON . . . . .	Farming near Calgary—married recently.
HAROLD HOPKINS . . . .	In training for the Navy in England.
ARTHUR KEMP . . . . .	In England, with the 137th Battalion.
H. W. KIRKLAND . . . .	Farming in Michigan.
CAMPBELL LINDSAY . . .	In Cyclist Corps, Toronto.
P. H. MENZIES . . . . .	In training in 237th Battalion, Vernon, B.C.
GEORGE A. MURRAY . . .	Farming at Killam.
PAUL MARNACH . . . . .	Farming at Nateby.
A. L. MILLER . . . . .	Farming near Olds.
MACK B. MCCOLL . . . .	On way to fight in the 175th Battalion.
HECTOR MCARTHUR . . .	Farming at Knee Hill Valley.
HAROLD PHILLIPS . . . .	Farming at Langdon.
LYLE V. RUSSELL . . . .	Farming near Ponoka.
WILMER REIST . . . . .	Farming near Didsbury.
J. WARREN SMITH . . . .	Farming in Oregon, U.S.A
CARROLL STEWART . . . .	Attending University—going to settle down about Easter.
HAROLD STEELE . . . . .	Farming near Lacombe.
OSCAR SUNDBERG . . . .	Farming near Markerville.
HAROLD THORNTON . . . .	On the way to fight in 137th Battalion.
ALBERT B. WIANCKO . . .	Farming near Ponoka.

### V.S.A. ALUMNI

A students' reunion was held at Vermilion on February 17th, and the Alumni Association of the V.S.A. was organized.

This association intends to work in conjunction with similar organizations at Claresholm, Olds and the University.

The attendance was extremely good, nineteen students being present, many of whom had travelled a considerable distance. The ex-students were entertained by the staff and students of the School to a supper followed by a dance, an enjoyable time being spent by all.

At the meeting, Mr. Fleming, of the University of Alberta, outlined the proposed constitution, which, after a short discussion, was adopted. All members of the staff and any ex-students who have completed one year at the V.S.A. also those who were at the short course when the School opened.

are eligible for membership. An honorary membership has been given to those ex-students who have enlisted.

Membership fee has been fixed at 25 cents annually, exclusive of expenses incurred at the annual convention to be held at Vermilion.

Ex-students wishing to join the association are requested to communicate with Mr. W. M. Fleming at the University of Alberta, or the Secretary, Mr. S. Barnes, at Vermilion.

At the close of the meeting an election of officers took place, resulting as follows:

Hon. President, Mr. F. S. Grisdale; President, W. M. Fleming; Vice-President, H. Taylor; Sec. Treas., S. Barnes; University Representative, T. Brown.

Representatives: Class '15—Miss Hazel Henton, S. Arthur; Class '16—Miss Alice Gares, J. Lawson; Class '17—Miss Beth Wetherbe, L. W. Bryant.

# TOWN OF OLDS

**"Always Busy."**

## THE HUB OF THE BEST MIXED FARMING DISTRICT IN THE PROVINCE OF ALBERTA

This is not a boast but a simple statement of fact as the following record of shipments of FARM PRODUCE for the years 1915 and 1916 will show:—

	1915	1916
Baled Hay . . . . .	1100 cars 12,092 tons.	752 cars—9,028 tons
Oats . . . . .	100,681 bushels	222,523 bushels
Wheat . . . . .	8,680 bushels	6,774 bushels
Rye . . . . .	5,596 bushels	6,781 bushels
Barley . . . . .	19,048 bushels	43,548 bushels
Cattle . . . . .	10,697 head	7,400 head
Horses . . . . .	463 head	1,297 head
Hogs . . . . .	3,668	3,750
Eggs & Butter . . . . .	270,000 lbs.	253,568 lbs.
Milk . . . . .	22,195 cans, (approx. 199,755 gals.)	(approx 15,931 cans, 127,448 gals.)
Cheese . . . . .	45,600 lbs. (Factory in operation 6 months).	108,432 lbs
Sheep . . . . .	No record	423

We are not in the grain belt but the above statement will show what can be done along this line of agriculture

For stock raising and dairy farming this District, of which Olds is the main distributing centre, is second to none in Alberta.

### ABUNDANCE OF FEED, WOOD AND WATER

**The People:** Largely composed of Canadian, British and American Well organized communities. First-class schools

Government Agricultural College and Experimental Farm close to Town.

If you desire to go into mixed farming come into OLDS, stop, look and listen, then rent or buy. IT WILL PAY YOU.

Further information regarding the District will be gladly furnished on request by

**J. WELLS JOHNSON,**

Secretary-Treasurer for the Town of Olds.

When answering advertisements kindly mention the A.S.A. Magazine.

## - EDITORIAL -

To "Our Lads in Khaki" we affectionately dedicate this issue of the Magazine. In our halls hang Honor Rolls for the boys who have enlisted to fight for us and what could be more fitting than that we honor them thus? As the ancient Romans expressed their ideal "dulce et decorum est pro patria mori," so still we hold it is sweet and honorable to die for one's country.

It is with some trepidation, and yet with a feeling that we have given our best efforts, that we offer this, the third number of the A.S.A. Magazine to you, our readers, for your criticism, friendly and otherwise. Our ideal has been to attain the high standard set by the two previous issues. In this we may have succeeded; we may have failed. In either case we wish to thank those who have so kindly assisted us in the various phases of the work.

To Professor Elliott, our Staff Representative, is due first mention for his invaluable assistance and ready advice at all times. We sincerely appreciate the help and sympathy of the Minister of Agriculture.

In our choice of articles for the general section, we have departed

considerably from the beaten path, in that we publish two articles dealing with Household Science kindly contributed by Miss Hutton, of Vermilion, and Miss Cumming, of Olds. We trust the reception of these will bear out the Editor's belief in their importance. We also gratefully acknowledge excellent articles contributed by Mr. Hutton, Superintendent of the Dominion Experimental Station, Lacombe; Mr. D. H. Bark, of the C.P.R. Department of Natural Resources, Strathmore, and Mr. Taggart, of the O.S.A. Staff.

The Olds Magazine Staff has once more, at the request of our sister Schools of Agriculture, undertaken the supervision of this publication. And, here, we wish to express our appreciation of their good will and hearty co-operation. It is fitting that we tender a word of appreciation to "The Western Printing and Lithographing Company" who have rendered us very able service in the final feature of the work.

And now to each and all—  
thanks and good wishes.

ANNA M. ARCHIBALD,  
Editor-in-Chief.

## **The W. R. Brock Company (Limited)**

CALGARY, ALBERTA

### **WHOLESALE ONLY**

*Special to Consumers:*

Ask the Merchant in your market town for the following brands, if you desire the best.

**MEN'S WOOLLEN UNDERWEAR**—Brands, Halifax, Sirdar, Rupert and Viking. Best wearers and unshrinkable.

**WORK SHIRTS AND OVERALLS**—Get the **UNITY BRAND** and avoid disappointment.

If the local Merchant hasn't got these lines, inform him that he can get them from

**The W. R. Brock Company (Limited)**

CALGARY, ALBERTA.

# **MASSEY - HARRIS**

Manufacturers of All Kinds of

## **GOOD IMPLEMENTS**

for

## **GOOD FARMING**

A copy of our attractive 1917 Calendar or Catalogue will be mailed upon application.

When answering Advertisements kindly mention The A.S.A. Magazine.



## Vermilion Section

*The Vermilion School of Agriculture was  
built especially for farmers' sons and  
daughters living North of the C. P. R.,  
running East through Wetaskiwin.*

A. S. A. Magazine



MISS B. SCOTT



C. McALLISTER



G. L. SHANKS, B.S.A



W. L. HANRAHAN



S. BARNES

## A.S.A. Magazine Staff

VERMILION, ALTA.

---

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S. BARNES, *Business Manager.*

G. L. SHANKS, B.S.A., *Staff Representative.*

C. McALLISTER, *Circulation Manager.*

MISS B. SCOTT, *Secretary-Treasurer.*



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MISS FERN HOTTON  
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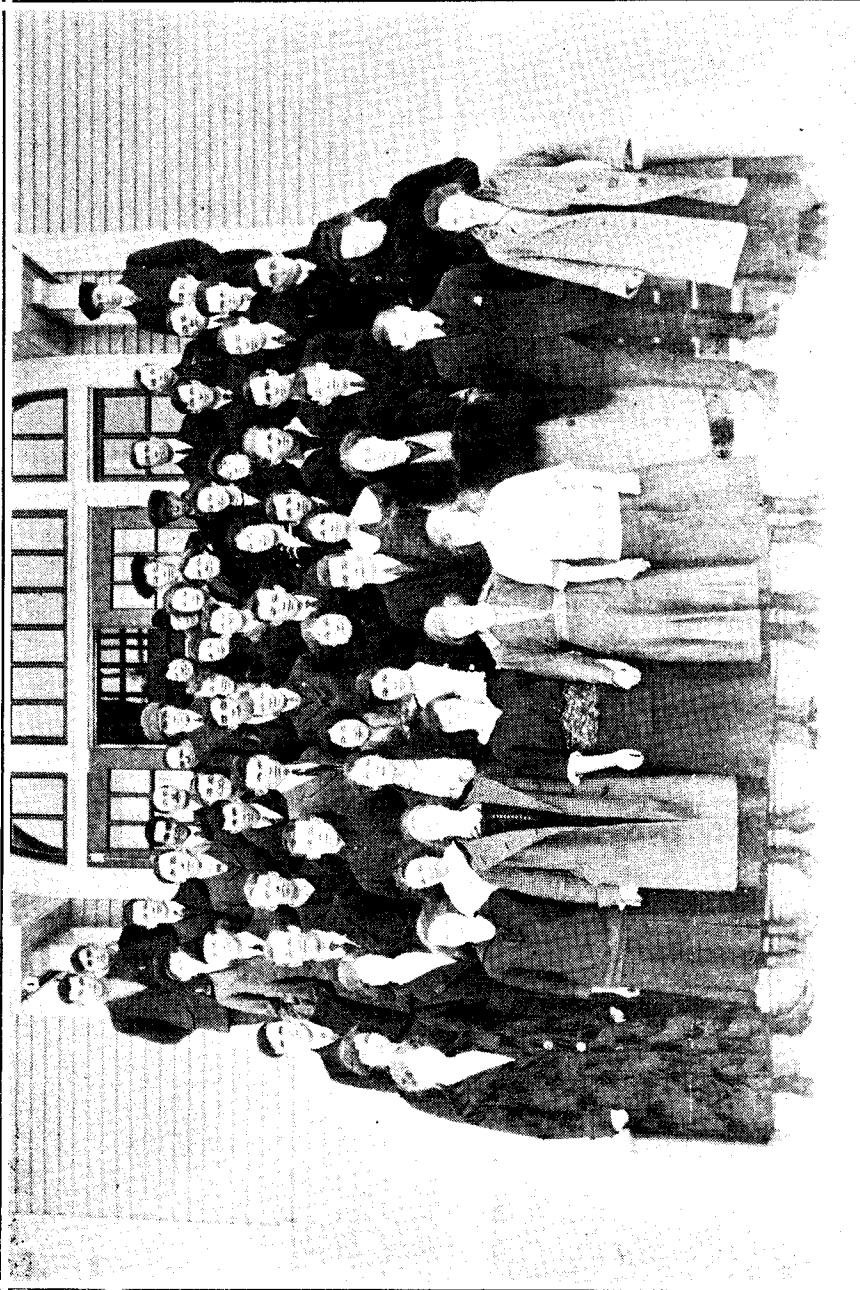
J. W. SCOTT  
Poultry and Dairy



Vermilion  
School of Agriculture Staff



MISS A. M. LAVELLE  
Asst. Household Science



STAFF AND STUDENTS VERMILION SCHOOL OF AGRICULTURE.

## LITERARY

Every year should show progress. The Literary Society has been no exception to this rule, for this year, as compared with last, changes for the better have been effected.

To begin with, in our meetings we have witnessed programmes of a more varied nature, and the monotony of debating and speech-making has been considerably lessened by recitation and by the introduction of music.

Again, by the desire of the student body, Mr. Hopkins, by becoming the Honorary President and permanent critic of the society, has put his experiences at our disposal. The other officers elected were as follows:

President, Mr. W. L. A. Hanrahan; Vice-President, Miss Bernice Scott; Secretary, Mr. A. Miller. Mr. Castle Scott, Sophomore Representative; Mr. S. Parr, Freshman Representative; Miss L. Richardson, Girls' Representative.

Whereas last year, meetings took place on Friday evenings, this year Monday was chosen.

So far, we have had three debates. The public was admitted to the last one, which took place on December 16th. The negative speakers convinced the audience and judges that "The Oriental should be admitted to Canada." At this public debate the programme consisted of twelve events, the twelfth event being a dance as

## THE V.S.A. BUS.

Have you seen it? Have you heard it?

With Bob Pilkie at it's head?  
And two rows of comely maidens  
Nestled snugly as in bed.

What a racket, what a noise,  
Whatever can it be?  
'Tis the agricultural omnibus  
For girls and Staff you see.

Just like thunder, in a flash,  
'That chariot dashes by,  
To get to school by ten to nine,  
On Pilkie they rely;  
Such a wonderful invention  
Is this pre-historic boat,  
That if Pilkie hit the river  
He'd make the darn thing float.

Yet we like it, yes, we like it,  
We are independent boys,  
Though no boy at noon or even  
Female company enjoys;  
But we'll laugh in real cold  
weather,  
At that refrigerator car  
That's once we'll have upon the  
girls  
Our Ha, Ha, Ha, Ha, Ha.

customary. The evening was very pleasantly spent.

At other meetings, impromptu speeches, question matches, readings, recitations, and entirely musical programmes have done justice to the V.S.A. students in their efforts to make a success of this very important society.

## 21 SOPHOMORES' PROPHECY

“GRADUATE from V.S.A. to  
SOIL, from soil to RICHness,  
from richness to ability to  
MARRY”

Mea G her  
Cla R k  
B A rnes  
Gar D iner  
D U nlop  
H A nsen  
Scot T  
Manski E  
Minn S  
Gibs O n  
Mart I n  
Ha L e  
  
Han R ahan  
Will I ams  
S C ott  
H awkins  
  
Willia M s  
H A nsen  
B R yant  
Withe R be  
Connell Y

## DEDICATED TO CERTAIN FRESHMEN

There's such a thing as shyness  
There's such a thing as side,  
But by neither of these foolish  
ways  
Should anyone abide.

If you have got ability  
In literary works  
For wit or speech, avoid the way  
Of one who always shirks.

'Tis pleasure then to find a boy  
Who tries to be a sport  
To him the Lit. means everything  
To the other, it means naught.

Stubbornness is childish play  
For one who should know better  
So talk when you are asked to talk  
And you'll be no regretter.

Whilst discussing unsoundness  
of a horse, Jim remarked that a  
certain disease produced the worst  
smell he has ever seen!

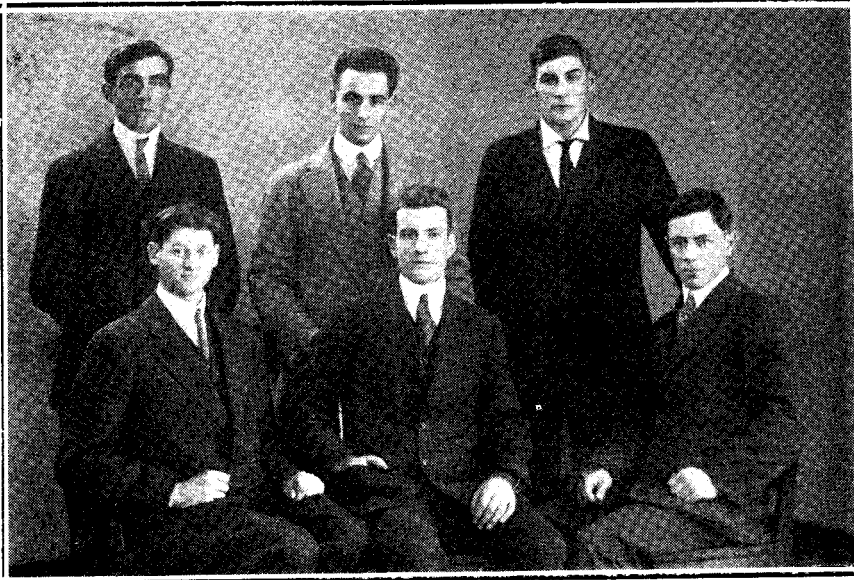
\* \* \*

So the Germans have marched  
into South America? For  
Bucharest, saith a certain V.S.A  
student, is in South America.

\* \* \*

Amongst other experimental  
works, the Domestic Science De-  
partment has tried and condemn-  
ed the substitution of Hyacinth  
bulbs for onions in salad!

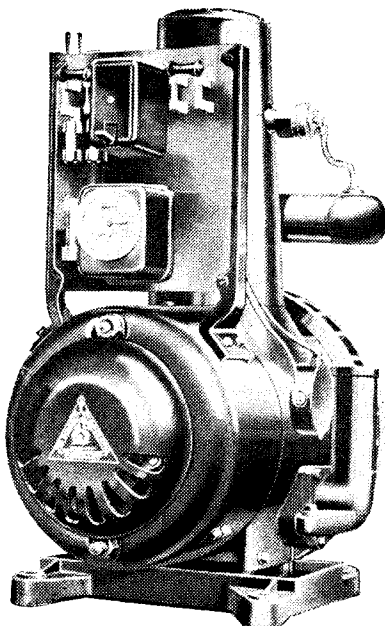




**ATHLETIC ASSOCIATION COMMITTEE, V. S. A.**  
 Left to Right : Back Row—A. S. Ward (1st Year Representative), W. L. A. Hanrahan (2nd Year Representative), T. Steele (Treasurer).  
 Front Row—L. Bryant (Secretary), C. Scott (President), C. McAllister (Vice-President).



**LITERARY AND SOCIAL COMMITTEE, V. S. A.**  
 Left to Right : Back Row, Standing—T. Steele, A. Miller, A. S. Ward.  
 Second Row—W. Richardson, E. Hopkins, M. Sc., Miss F. Hotton, C. Scott.  
 Third Row, Sitting—Miss B. Wetherbe, L. Bryant (Pres. Social),  
 W. L. A. Hanrahan, (Pres. Literary), Miss B. Scott  
 Fourth Row on Floor—L. Parr, M. Williams.



## DELCO LIGHT

Brings city conveniences to the country. Pays for itself in time and labor saved. Brightens your life and brightens your home. Keeps boys and girls on the farm.

Operates the Washing Machine, Churn, Grind Stone, Separator and pumps the water.

### Bruce L. Robinson

307 8th Ave. W.  
CALGARY, ALTA.

Distributor  
Alberta and Saskatchewan.

PRICE F.O.B. CALGARY, ALTA.

No. 208, \$390.00

No. 21, \$465.00.

The Automobile brought the farm to the city.

**Delco-Light** took the city to the farm.

When answering advertisements kindly mention the A.S.A. Magazine.



## SOPHOMORE CLASS '17 VERMILION S-A.

SIDNEY BARNES was born in London, England, where he studied engineering. He came to Canada in the spring of 1914 and at once applied himself to the study of Agriculture. In this respect he has been in the front rank at Vermilion and is now on for the B.S.A. As President of the Students' Council, President of the Y.M.C.A., and Business Manager of the Vermilion Section of the A.S.A. Magazine he has taken an important part in the official life of the School.

LOYD W. BRYANT—Lemars, Iowa, was his birthplace. He also lived for some time at Seattle, Washington, but finally made his home at St. Albert, Alberta. He has done good work as Secretary of the Athletic Association and also as President of Social Committee. He ran second at the Field Meet and continues to run high on the examination list. As goal keeper he guards the vital interests of the Hockey team.

J. G. CLARK began his career at Ottawa, Ont., coming west with his parents ten years ago and making his home at Clark Manor, Alberta. After farming for a while he graduated at the Calgary Collegiate Institute and is now on the road for his B.S.A. He is Manager for the Hockey Team and is actively interested in the Military side of the School. In studies George is well over the high-water mark and promises to be a prominent stock judge.

ROSE CONNELLY—Rose was born in Pontiac County, Quebec, but in due time, on seeing the vast opportunities which presented themselves in the West, finally located at Lacombe. Learning of the V.S.A., she came for a course in household science. Rose has done good work and her "Alma Mater" is proud of her. During the term she has been ably holding office as Sophomore Representative of the Students' Council as well as being a true Western Rose.

RALPH H. DUNLOP was born in the little village of Spencerville in Eastern Ontario and came West eleven years ago. At first he stayed at Bittern Lake, but later moved out on to a homestead in the Edmonton district. Agricultural Education and its wide field attracted him and so he came to the V.S.A. intending to continue at the University. Ralph's sense of humor and persistently good nature are only partly accountable for his popularity.



## SOPHOMORE CLASS '17 VERMILION S.A.



**VIOLET V. GARDNER.** Dear old Kent! Violet is from Faversham, Kent, England. She left Beauty for Expense when in 1906 she came to Canada. She claims to be an Albertan for her educational career has centred around this Province, first at Irwinville and finally at the V.S.A. We shall all be sorry to see her go, but graduation is the only way to crown a successful college career.



**ALLAN L. GIBSON** is one of the two Sophomores born in Western Canada. His childhood days were spent in the Namayo district, North of Edmonton, and from there he moved to Excelsior. "Excelsior" sounds the keynote of his career at the V.S.A., for he has steadily risen higher and higher, and still he perseveres for Allan is one of those who **will** know all about everything.



**STANLEY HALL** is our other Westerner. He was born in South Edmonton and is now settled on a farm near Strathcona where he intends to specialize in dairying. At one time the States appeared to offer better things, but after a trip south he decided that Sunny Alberta was the place in which to stay. With the knowledge gained at the V.S.A., the way is now made for Stanley to become a successful dairyman.



**WILLIAM L. A. HANRAHAN** was born near the Himalaya Mountains in Northern India where the first thirteen years of his life were spent. After studying for some time in England he came to Canada in 1913 and at once devoted himself to the study of agriculture. As Editor of the Vermilion Section of the A.S.A. Magazine, President of the Literary Society, Sophomore Representative of the Athletic Association and Editor of the V.S.A. Times he has displayed the energy and ability which command success. He is now studying for his B.S.A.



**WILLIAM HANSON.** Nebraska was his early home where he passed through Public and High School. He came to Alberta in 1910 and settled at Innisfree. As a Freshman he was a prominent member of the Social Committee and, but for the fact that he was unable to start this term till late, would be filling that office again this year. He is one of those passive persons who never appear to exert themselves yet he always takes in everything.

## SOPHOMORE CLASS '17 VERMILION S.A.

**JULIUS HANSON:** a Dakota boy. He came to Canada in 1909 and settled in Camrose, passing through the High School there. At the V.S.A. he has proven himself to be the outstanding sportsman for he scored highest at the Field Meet and his ability has placed him in the position of Captain of the Hockey Team. Julius Hanson is the first V.S.A. man to make a speech before the Mayor of Edmonton. He is the Sophomore representative of the Student's Council.

**WALDIE HAWKINS.** According to his autobiography, Waldie was born in Simcoe County, Ontario. He came West with his parents in 1905 and homesteaded north of Strome, Alberta. The wide field of agricultural knowledge proved so attractive that he came to Vermilion and is now completing his second year. There is no fathoming Waldie! But we are sure of one thing, however, and that is his admiration for the fair sex.

**HANS MANSKI** hails from Stettin, coming with his parents to this country in 1908, landing first at Battleford and then settling on a homestead at Macklin, Sask. He has taken a keen interest in all phases of the School work, especially in Agronomy and Horticulture. At the end of this term Hans expects to start homesteading and with his practical training both at the school and at home should make good; anyway we wish him success.

**JAMES MARTIN** is the only representative of Bonnie Scotland among the '17 Class. He was born at Auchterarder, Perthshire, and educated at Muthill in the same county. He came with his parents to Canada in 1913 and settled at Strathmore, Alta., where he has been engaged for some time at the Poultry Plant of the C.P.R.

**JAMES E. MEAGHER** was born in Grey County, Ontario, and moved first to Lashburn, Sask., in 1908 and thence to Yonker, Sask. During the summer months following his first year term he worked on the experimental plots at the School thus becoming familiar with the growing of many plants not usually found on the average farm. As Secretary for the Y.M.C.A. he has done good work and his good hearty, Irish nature will not be soon forgotten.



## SOPHOMORE CLASS '17 VERMILION S.A.



**HARVY MINNS.** Stauffville, Ontario, is his birthplace but his childhood days were mostly spent at Athabasca, which is now his home. He left Public School to come to Vermilion and proposes to take over his father's homestead on returning this spring. Harvy has shown particular wisdom in first obtaining a valuable insight into farming on a scientific basis and we wish him every success.



**BERNICE SCOTT.** The first girl to hold the office of Vice-President of the Literary Society since the Vermilion School of Agriculture started. A very popular young lady amongst boys and girls alike. Bernice will be missed greatly when our term's work is over. She came from Hudson, Wisconsin, and is located at present with her parents on a farm south of Stratheona. At the V.S.A. Bernice has done well in study and has displayed intelligent energy in the capacity of Vice-President of the Literary Society and Secretary-Treasurer of the A.S.A. Magazine.



**CASTLE SCOTT** was born in Lincolnshire, England, and received his education at Bristol, England. In 1908 he came with his parents to Canada, first settling near Calgary and afterwards at Warwick, near Vegreville. He has played an important part in the life of the School as President of the Athletic Association and Sophomore Representative of the Literary Society. He proposes to start farming on his own account and has our best wishes for success.



**BETH WITHERBE.** Last, but not least of the girls, Beth is the School Elocutionist. She was born in Nebraska and received her kindergarten education there. It is sixteen years since she came to Alberta and so most of her education was obtained here. In 1909 she received a Graduate Scholarship in Expression from Quick and Alert. Beth is a delightful character, always willing to do her share in all things.



**EARL WILLIAMS** is a native of Missouri and it was here that his Agricultural career first started. He travelled and worked in various States and whilst in Oklahoma gained some experience in fruit growing. He is at present living with his parents at Bon Accord, Alberta. Earl is a keen stockman and with the knowledge gained while at the V.S.A., and with his varied experience we can predict for him a successful future.

## SOPHOMORE CLASS '17 VERMILION S.A.

MASTON WILLIAMS, like his brother, hails from Missouri and has studied all phases of farming from his earliest days. For two years Maston has been our class President, is the Sophomore Representative of the Social Committee and during both years has been an active member of the Y.M.C.A. Executive.



### JUST KEEP ON KEEPIN' ON

If the day looks kind of gloomy,  
And yer chances kinder slim;  
If the situation's puzzlin'  
An' the prospects awful grim;  
And Perplexities keep pressin'  
Till all hope is nearly gone,  
Just bristle up and grit your teeth  
An' keep on keepin' on.

For shunnin' never wins a fight,  
And frettin' never pays;  
There ain't no good in broodin' in  
These pessimistic ways.  
So smile just kinder cheerfully  
When hope is nearly gone,  
And bristle up and grit your teeth  
An' keep on keepin' on.

There ain't no use in growlin'  
And grumblin' all the time;  
When music's ringing everywhere,  
And everything's in rhyme.  
Just keep on smiling cheerfully  
If hope seems nearly gone,  
And bristle up and grit your teeth  
An' keep on keepin' on.

---AUTHOR UNKNOWN.

# J. G. CLARK

CLARK MANOR, ALTA.

## Breeder of Clydesdale Horses

*HALF-BRED TEAMS ALWAYS ON HAND AT  
MODERATE PRICES*

Ranch Brand  on Left Shoulder

*REGISTERED ABUNDANCE SEED OATS  
AND MARQUIS WHEAT A SPECIALTY*

## ROYAL BANK OF CANADA

INCORPORATED 1869.

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Capital Authorized .....	\$25,000,000
Capital Paid Up .....	12,900,000
Reserve Funds .....	14,300,000
Total Assets .....	270,000,000

*340 Branches Throughout Canada.*

Money Orders and Travellers' Cheques Issued.

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SAVINGS DEPARTMENT AT ALL BRANCHES.  
A GENERAL BANKING BUSINESS TRANSACTED.

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VERMILION, ALBERTA, BRANCH. H. R. CALVERT, Manager.

Phone 73

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FOR ANYTHING AND EVERYTHING IN

**Lumber**  
**Pembina Peerless Lump**  
**Coal**

**SUPERIOR LUMBER CO.**  
**LTD.**

Yards at Vermilion, Manville, Innisfree

When answering advertisements kindly mention the A.S.A. Magazine.

## CRATE-FEEDING WORK

By George Scott, Instructor of Poultry and Dairying, V.S.A.

The purposes of this experiment was to demonstrate to the students how poultry should be finished for market on the farm, and to provide practice to the students in selecting, preparing, and dressing fowls.

The birds were fed in the crates for a period of three weeks. Each bird was leg-banded and weighed before being placed in the crate, and again weighed at the end of the seventh, fourteenth, and twenty-first day.

The Domestic Science students took keen interest in the poultry work, each girl plucked and dressed one bird for market, and in addition, each girl took part in the work of feeding the poultry.

By means of accurate records, comparisons were made of the gain in weight of each bird, and the factors determining such gain were carefully considered.

On November 22nd, fifty-six (56) birds were divided into five lots and placed in crates. The daily quantity of ground feed for each bird was increased from two ounces at the commencement of the feeding period, to five ounces during the last six days.

The various ground grains were sifted to remove the coarsest hulls; the finer portions were then mixed with buttermilk in a proportion approximating ten pounds of meal, to eighteen to twenty pounds of milk. The feed for each crate of birds was weighed into the feed pails directly after feeding at 8.30 a.m. and 5.30 p.m.

**Crate No. 1**—in which there were eleven birds, consumed:—

45 lbs. of oat chop	at \$1.50 per cwt.	\$ .74.3
5½ lbs. of shorts	at 1.35 per cwt.	.07 4
x 28 lbs. of siftings	at 1.50 per cwt.	.42
126½ lbs. of buttermilk	at 10 per cwt.	.12 7
		<u>\$1 26 4</u>

**Crate No. 2**—in which there were eleven birds, consumed:—

24 lbs. of oat chop	at \$1.50 per cwt.	36
16½ lbs. of wheat screenings	at 1.00 per cwt.	.16.5
14½ lbs. of shorts	at 1.35 per cwt.	.19 6
x 14 lbs. of siftings	at 1.50 per cwt.	21
126½ lbs. of buttermilk	at 10 per cwt.	.12 7
		<u>\$1.05 8</u>

**Crate No. 3**—in which there were eleven birds, consumed:—

32 lbs. of oat chop	at \$1.50 per cwt.	\$ 48
23½ lbs. of wheat screenings	at 1.00 per cwt.	23 5
x 18 lbs. of siftings	at 1.50 per cwt.	27
127½ lbs. of buttermilk	at .10 per cwt.	.12 7
		<u>\$1 11.2</u>

**WILLOW FARM MILLET, ALBERTA**  
**RED POLLED DUROC JERSEYS WHITE ROCKS**

*See us at the Edmonton Fair SEED POTATOES Prairie Flower a Specialty*

**M. J. HOWES & SONS**

**WINOGRAD & NOZICK**

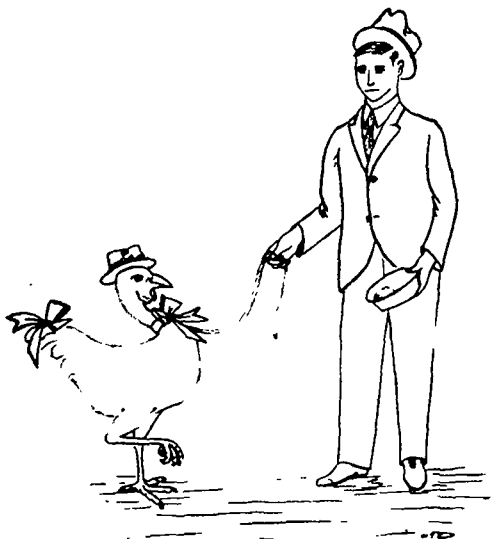
**General Merchants**

**THE PLACE FOR  
ROBIN HOOD FLOUR**



**ONCE A CUSTOMER  
ALWAYS A CUSTOMER**

**VERMILION - - ALBERTA**



**MR. GRISDALE'S FAVORITE HEN "BIDDY MALONE"**

**Record—5 eggs in 4 minutes.**



**Crate No. 4**--in which there were eleven birds, consumed:—

20 lbs. of oat chop	at \$1.50 per cwt.	\$ 30
7 lbs. of wheat screenings	at 1.00 per cwt.	.07
13 lbs. of barley chops	at 1.50 per cwt.	19.5
15½ lbs. of shorts	at 1.35 per cwt.	20.9
x 18 lbs. of siftings	at 1.50 per cwt.	27
127½ lbs. of buttermilk	at 10 per cwt.	12.7
		<u>\$1.17.1</u>

**Crate No. 5**--in which there were twelve birds, consumed:—

28 lbs. of oat chop	at \$1.50 per cwt.	\$ 42
10½ lbs. of barley	at 1.50 per cwt.	15.8
7 lbs. of wheat screenings	at 1.00 per cwt.	.07
16¾ lbs. of shorts	at 1.35 per cwt.	22.6
x 21 lbs. of siftings	at 1.50 per cwt.	31.5
143 lbs. of buttermilk	at 10 per cwt.	14.3
		<u>\$1.33.2</u>

### Weight of Birds

	Crate—No. 1	No. 2	No. 3	No. 4	No. 5	Total
November 22nd	50-5 oz.	46-9 oz.	50-6 oz.	50-8 oz.	51-4 oz.	249-0
December 13th	64-5	60-13	64-14	65-6	68-10	324-0
After 24 hr. fast	62-10	58-13	63-6	64-6	67-6	316-9
After bleeding and plucking	55-9	52-15	55-7	56-4	60-6	280 9

Average live weight of birds when crated was 4 lbs. 7 oz.

Average live weight of birds when fleshed was 5 lbs. 12 oz.

Average dressed weight of birds was 5 lbs. 0 oz.

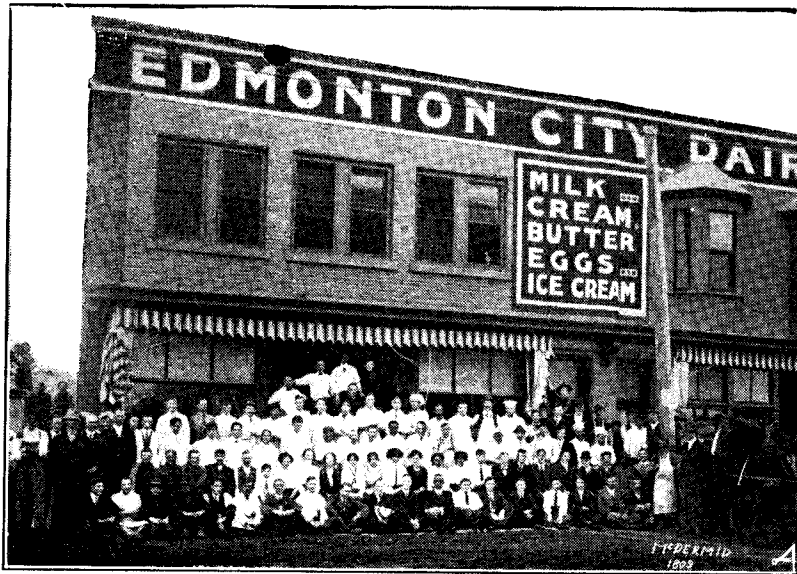
The average loss in live weight during second 12 hr. fast--2 125 oz.

The average loss from bleeding and plucking was 9 oz.

### Gains:--

Crate No. 1--14 lbs. of gain in live weight made with 55 lbs. ground grain.  
 Crate No. 2--14¼ lbs. of gain in live weight made with 55 lbs. ground grain.  
 Crate No. 3--14½ lbs. of gain in live weight made with 55½ lbs. ground grain.  
 Crate No. 4--14⅞ lbs. of gain in live weight made with 55½ lbs. ground grain.  
 Crate No. 5--17⅞ lbs. of gain in live weight made with 62¼ lbs. ground grain.

Crate No. 1--1 lb. gain in live weight made with 3.88 lbs. ground grain.  
 Crate No. 2--1 lb. gain in live weight made with 3.85 lbs. ground grain.  
 Crate No. 3--1 lb. gain in live weight made with 3.83 lbs. ground grain.  
 Crate No. 4--1 lb. gain in live weight made with 3.39 lbs. ground grain.  
 Crate No. 5--1 lb. gain in live weight made with 3.58 lbs. ground grain.



A Portion of the E.C.D. Plant and Staff

We are at your service to assist in every possible way to make the business of dairying in Alberta profitable to all concerned.

**EDMONTON CITY DAIRY LIMITED**

"Canada's largest creamery: the creamery that pays cash for every can of cream."

## When you think of Furniture Think of Blowey Henry Co.

We carry an exceptionally large line of high and medium-grade furniture, at very reasonable prices. Write us for quotations, or, better still, call on us when in the city and we will be glad to quote you very close prices for your furniture needs.

## **BLOWEY HENRY CO.**

*" Alberta's Largest Furniture House "*

EDMONTON, - - - ALBERTA

Average of 1 lb. gain in live weight made with 3.79 lbs. ground grain.

Cost of 56 chickens--249 lbs. at 13c per lb. . . . .	\$32.37
Total cost of feed (1 26.4-1 05.8-1.11 2-1 17 1-1.33 2) . . . .	6.04
	<hr/>
	\$38.41

**The Revenue from the Sale of:--**

48 chickens--243 lbs. at 18c to 23c . . . . .	\$54.53
3 chickens-- 18¼ lbs. at 20c . . . . .	3.65
5 chickens 19¼ lbs at 18c . . . . .	3.45
	<hr/>
	\$61.63
Less express charges . . . . .	2.85
	<hr/>
Net Revenue . . . . .	\$58.78

**Cost of Production: -**

75 lbs of gain in live weight made for. . . . .	\$ 6.04
-------------------------------------------------	---------

	Cents
Cost of producing 1 lb. gain in crate No. 1 . . . . .	.09 74
Cost of producing 1 lb. gain in crate No. 2 . . . . .	.07 43
Cost of producing 1 lb. gain in crate No. 3 . . . . .	.07.67
Cost of producing 1 lb. gain in crate No. 4 . . . . .	.07.87
Cost of producing 1 lb. gain in crate No. 5 . . . . .	.07.66
Average cost of producing 1 lb. gain . . . . .	.08 05
Total profit on 56 birds . . . . .	\$20.37
Average profit on each bird . . . . .	.36 37 cents.

Although excellent gains were made they are not exceptional; they may easily be duplicated by any farmer who has the proper type of poultry for fleshing, and who has knowledge of the work

The oats and barley used were coarsely ground; about one-third of the chop being removed as hulls. The loss from this source was at least twice what it should have been could we have finely ground grain, and the resulting profits would have been increased from 36 37 cents to 39.05 cents per bird.

The cost of feed was fifty per cent. (50¼%) higher, and the live birds were purchased at an increase of three cents (.03c) per pound more than a year ago, but there was a corresponding increase in the price per pound received for the dressed poultry which nearly offset the increase in cost and fleshing, being only one cent per bird less profit this year than a year ago.

*We Buy and Sell*

POTATOES

CORDWOOD

HAY

FENCE POSTS

GRAIN

COAL

**A. J. Macdonell & Co. Ltd.**

*Agency Building, Edmonton.*

## ***Your Horses and Cattle***

LOOK TO YOU

for kind treatment and proper nourishment. Are you  
doing your duty towards them?

The Veterinary Remedies we carry are guaranteed lines of merit,  
*including*

"ELKAYS," "INTERNATIONAL," and "PRATTS."

---

## **FRED C. LONG**

THE REXALL DRUG STORE

VERMILION, ALBERTA.

*Mail orders receive our Prompt attention.*

When answering advertisements kindly mention the A.S.A. Magazine.

Of the fifty-six (56) birds purchased, thirty-seven (37) were of good type, fifteen were of medium type, and seven (7) were poor specimens for fleshing purposes. A number of the birds were in excellent flesh when placed in the crates, and on these birds the gain in weight was small.

In general it may be said that the greatest gains will be made, and the best quality of dressed carcass will be produced when:--

1. Thin, healthy birds are placed in the crates.
2. Birds of good type, and of uniform size are fed.
3. Birds are free from insect vermin.
4. The feeder observes closely the condition and appetite of the birds.
5. The quantity of feed is gradually increased throughout the fleshing period, reaching the capacity of the bird during the last week.
6. The birds are fed only so long as gains commensurate with the quantity of food eaten are obtained.
7. The birds are starved for twenty-four hours before killing.
8. The birds are killed by severing the jugular veins and piercing the brain through the roof of the mouth.
9. The birds are properly cooled and shaped before packing in the shipping cases.

## **HARDWARE** FOR EVERY PURPOSE In the Home—On the Farm

For the past 45 years, the J. H. Ashdown Hardware Co. have supplied Western consumers with high-grade hardware.

### **TODAY WE ARE BETTER ABLE TO SERVE THAN EVER**

#### **SOME OF OUR SPECIALTIES IN GUARANTEED MERCHANDISE**

"Myers'" Pumps for Every Purpose. "Myers'" Haying Tools (Rack and Forks). "Diamond A" Gasoline Engines, Builders' Hardware. "Champion" Forges and Blowers and Complete Blacksmith Outfits. "Diamond A" Electric Lighting Systems. Heating Systems (any style desired). "Stewart" Stoves and Ranges. Rifles, Guns, Ammunition, all the best makes. "Diamond A" Mixed Paint for Every Purpose.

**ORDER THROUGH YOUR LOCAL MERCHANT, WE DO THE REST**

**The J. H. ASHDOWN HARDWARE CO., Ltd.**

WINNIPEG, CALGARY and SASKATOON.

When answering Advertisements kindly mention The A.S.A. Magazine

## Cromartie Stock Farm

PUREBRED HOLSTEIN CATTLE, YORKSHIRE PIGS,  
BARRED ROCK POULTRY.

The herd bull is the choicely-bred and prize-winning Principal DeKol  
(17244). Owned by

**THE SUTHERLAND CANADIAN  
LANDS CO'Y., LTD.**

*HAY CREEK*

*ALBERTA*

## LOANS FOR LIVESTOCK

THE CANADIAN BANK OF COMMERCE is prepared to encourage the development of the Western livestock industry by extending liberal credits to good farmers to purchase breeder and feeder livestock.

*FINISH THE FEEDERS IN CANADA*

*KEEP THE HEIFERS AT HOME*

In 1915 about 45,000 head of feeder cattle were taken from the Winnipeg stock yards for distribution among farmers in the Northwestern States, representing a serious loss to Western Canadian farmers.

We wish to assist in stopping this movement. Consult us before selling unfinished stock. If you must sell, let us try to find you a buyer at home and build up your own district.

*VERMILION BRANCH*

*A. J. REYNOLDS, Manager.*

When answering advertisements kindly mention the A.S.A. Magazine.

# ODE TO THE FRESHMEN

(Initiation)

Softly 'round the word was spread,  
Tactfully the Sophs they fed  
At breakfast, but at noon they said  
We'll wait, the Freshmen must be led  
With revelry.

Bravely up the Freshies came  
In twos and threes they did the same  
As ever they did do before  
And entered through the main front  
door  
To revelry.

Encircled then by us Sophomores  
Each Freshman to his heart deplores  
That he should be thus easily  
A victim to our revelry  
Such revelry.

In dairy room they seated be  
Their hands are tied so none are free,  
And each one waits his doom to see,  
Whilst Sophomores moved 'round busily  
Preparing for their revelry.

Then on a rope securely tied  
The victims walk, the victors ride  
And through Vermilion town process  
A fitting scene for any press  
Great rivalry.

When all is o'er no more is said  
No one is hurt, no one is dead  
All credit to the first year boys  
Who takes his troubles like his joys.  
Such revelry.

## SOCIAL—V.S.A.

This indispensable side of the school course has been worked out on lines similar to those of last year.

The direct handling of all events has fallen upon the shoulders of the following committee:—

Lloyd Bryant—President.

Maston Williams—Sophomore Representative.

Miss F. Hotton—Staff Representative.  
Mr. H. McIntyre—Staff Representative.

A. S. Ward—Freshman Representative.

K. Steele—Freshman Representative.  
Miss B. Wetherbe—Sophomore.

Miss L. Richardson—Freshman

Many very pleasant evenings have been spent in social gatherings of one kind or another, and it has been the desire of staff and students to utilize Friday evenings for this purpose. This has been carried out to good success.

Among the more important events might be mentioned: a skating party given by Misses Hotten and Lavalley, the Staff reception; the Sophomore dance; the Freshmans' dance and several skating parties at the School, also last but not least, Mrs. Grisdale, early in the term entertained the Domestic Science staff and girls to a very pleasant tea which was followed by games and sewing.

From the above it is easily seen that pleasure is combined with business and though this is as much as the magazine will say, the reader may rest assured that the social side of life at the Schools of Agriculture is not neglected.

We are Headquarters in Canada for  
*Physical, Chemical*  
— and —  
*Biological Apparatus*

AS USED IN

SCHOOLS OF AGRICULTURE, HIGH SCHOOLS  
COLLEGIATE INSTITUTES and NORMAL SCHOOLS

Consult us before purchasing

Manufacturers and importers of all kinds of Apparatus  
Supplies and Furniture for Educational Purposes.

**The Geo. M. Hendry Co., Ltd.**

215-219 Victoria St., Toronto, Ont.

# SEEDS

Rennie's Always Grow--  
The Finest in The Land

Catalogue FREE.

Sold by best dealers.

**WM. RENNIE CO., Limited**

1138 Homer Street, Vancouver, B.C.

Also at Winnipeg, Toronto, Montreal.

When answering advertisements kindly mention the A.S.A. Magazine.



**Y.M.C.A.**

Following the procedure of last year, the students' Y.M.C.A. is continuing as successfully as before.

Soon after School opened, Mr. Grisdale suggested the formation of a committee to carry on the work, and the members elected for this are:

Hon. President, Mr. F. S. Grisdale, B.S.A.; President, S. Barnes; Secretary, J. Meagher; Membership Committee—J. G. Clark, C. Lewis, G. M. Williams, A. Millar. Staff Representative, Mr. G. L. Shanks, B.S.A.

The meetings are held every Thursday at 4.10, and are always well attended. For the opening address, Mr. Grisdale chose the subject "Some hints on how to spend one's time to best advantage at College," and dealt very fully with methods of studying in order to obtain the greatest value from the course.

Prominent speakers from town have given addresses of a very interesting and instructive nature.

Diversion was supplied by addresses from Ptes. Whitestien and Todd, who related some of their experiences at the front, paying a warm tribute to the work of the Y.M.C.A. amongst "the boys" in France.

The committee feel satisfied with the results of its work as an active interest in the Association has been created among the student body.

**MILITARY.**

The first week in November, the V.S.A. Cadet Corps held its first drill under Instructor Hopkins. Though taking the drill is quite optional with the students, almost all have joined the corps.

Owing to the limited floor space, only physical and rifle drill have been taken up as yet, but hopes are entertained to arrange some platoon drill in the spring before School closes.

Thanks are due to Major Out-hit, the organizer and inspector of Cadet Corps, Calgary, who has kindly supplied miniature rifles and ammunition free. A squad of about ten shoot each week, and many of the students are good shots, Lieutenant Barnes having scored a possible.

The officers are:

Instructor, Mr. E. S. Hopkins; Captain, J. G. Clark; Lieutenants, S. Barnes and A. John Blackwell.

\* \* \*

**V.S.A. YELLS**

Rickety ! Rickety ! Rickety ! Rus,  
What in the deuce is the matter  
with us ?

Nothing, Nothing, Nothing at all;  
In judging Live Stock, or playing  
ball.

Soda Water, Soda Water,  
Ginger Ale and Pop,  
Vermilion Agricultural College  
Always on the 'Top.

**Soph's Class Yell.**

Strychnine ! Quinine !  
Powder ! Dust !  
Vermilion Sophomores  
Win or Bust.

# LUMBER

— and —

# COAL

*Per car Load or wagon load*

ALBERTA WESTERN  
LUMBER CO., LTD.

VERMILION - ALBERTA

# BIRD BROTHERS

Breeders of

CLYDESDALES

SHORTHORNS

SHROPSHIRE

BERKSHIRES

and

"Bred-to-Lay" Barred Rocks.

VERMILION, ALBERTA

# I. WINTERS

Light and Heavy Harness. Horse Furnishing Goods. Robes, Whips,

Collars, Blankets, Etc.

REPAIRING NEATLY AND PROMPTLY DONE.

VERMILION, - ALBERTA

# M. WENER & SONS

GENERAL MERCHANTS

On all \$15 or over Cash Orders we compete with Mail-Order House Prices

*Groceries a Specialty.*

"Robin Hood" and "Western Queen" Flour, "Robin Hood Porridge Oats."

PHONE 122.

VERMILION

ALBERTA

When answering advertisements kindly mention the A.S.A. Magazine.

## V.S.A. ATHLETICS.

"Brilliant" is the only word that correctly expresses the doings of the Athletic Association. So much has been accomplished this year, that "The Field Meet" and the Hockey Match with the University have been dealt with separately in another column.

The Athletic Committee consists of the following members:-

President- Mr. Castle Scott  
 Vice-President - Mr. Chas. McAllister.  
 Secretary--Mr. Lloyd Bryant.  
 Treasurer-- Mr. J. K. Steele.  
 Sophomore Representative--  
 Mr. W. L. A. Hanrahan.  
 Freshman Representative Mr.  
 A. S. Ward.

At the beginning of the term, the Association bought a football and full advantage was taken of the fine weather. This formed a pleasant diversion from the indoor wrestling, boxing, and the use of the punching bag.

These last mentioned sports afford splendid exercise when the excessive cold drives one to take refuge within the walls of the School.

Three times has the Hockey Team played against the Town, and in every case the result has been an easy win for the College. The High School team was also beaten.

The girls also have a team and so far one match has been played with the Vermilion High School.

### THE FIELD MEET

It was a beautiful afternoon in November when the rumor which had been current during the two preceding days was confirmed: "We were to have an Athletic Meet."

Most of the events were "run off" at the School, but as the Vermilion Exhibition Grounds were kindly placed at the disposal of the students the running events took place there.

Principal Grisdale and Mr. Barnes were the judges; Mr. George Scott acted as starter, and Mr. Hanrahan recorded the events:—

1st. Standing Broad Jump:—  
 Hanson, 8 ft. 1 in.; Bryant, 7 ft. 9.5 in.; Clark, 7 ft. 9 ins.

2nd. Running Broad Jump:—  
 Hanson, 15 ft. 3 ins.; Clark, 13 ft. 11 ins.; Scott, 13 ft. 8 ins.

3rd. Standing Hop, Skip & Jump:—Bryant, 22 ft. 2 ins.; Hanson, 22 ft. 1.5 ins.; Clark, 21 ft. 10.5 ins.

4th. Running Hop, Skip & Jump: Clark, 31 ft. 10 ins.; Hanson, 30 ft. 11 ins.; Bryant, 30 ft. 2 ins.

5th. Standing High Jump:—  
 McAllister, 3 ft. 10 ins.; Clark, (2nd); Bryant (3rd).

Continued on page 79

A BUSINESS ESTABLISHED UPON A CASH BASIS HAS A  
FOUNDATION SOLID AS THE BED ROCK

# The Calgary Central Creamery

is proud of the fact that it was the first creamery in the Dominion of Canada to buy cream according to grade, and pay cash every day for same. A glance at the following figures will show how successful that system has been:—

Year ending April 30th	Pounds Butter made	Cash paid for Cream	Cash paid for Milk	Number of men employed	Average monthly wage
1911	46,222	\$ 10,278.47	\$ . . . . .	4	\$ 286 50
1912	233,286	53,577.83	11,255.04	11	702 50
1913	300,121	82,784.17	51,906.93	25	1,996 50
1914	570,650	139,279.63	59,518.78	41	3,000 00
1915	800,252	192,650.47	52,857.64	49	3,900 00
1916	1,328,139	320,575.62	65,927.21	63	4,934 00
May 1st to Oct. 31st, 1916	1,378,903	360,941.79	41,103.80	83	8,019 00

Total Butter made from May 1st, 1910, to Oct. 31st, 1916- 4,647,573 Pounds.

DIRECT CASH Paid to Farmers during the same period for Milk and Cream—\$1,442,646.98.

THE CALGARY CENTRAL CREAMERY  
P. PALLESEN, PROP.

Box 2074

Phone M 5330

602 - 612 3rd Ave. W.

Creameries at

CAMROSE

CALGARY

OLDS

A cordial invitation is extended to you to visit any of our plants at any time.

When answering advertisements kindly mention the A.S.A. Magazine.

6th. Running High Jump:—Clark, 5 ft. 0 ins.; Bryant, (2nd); Hanson (3rd).

7th. Tug - of - War:—2nd year Agriculture versus 1st year Agriculture. Won by 1st year.

8th. Tug - of - War:—2nd year Domestic Science versus 1st year Domestic Science. Won by 1st year.

9th. Putting the Shot:—Hanson, 35 ft. 3 ins.; Welbourne, 29 ft. 10 ins.; Bryant, 29 ft. 9 ins.

10th. 100 Yard Dash:—1st, Hanson (13 sec.); 2nd, Bryant; 3rd, Clark.

11th. Girls' Dash (50 yards):—1st, Miss Stewart; 2nd, Miss Gray; 3rd, Miss Murphy.

12th. 220 Yards:—1st, Hanson; 2nd, Bryant; 3rd, Clark.

13th. Sweater Race:—1st, Miss Stewart; 2nd, Miss Murphy; 3rd, Miss Mead.

14th. Half Mile:—1st, M. Williams; 2nd, Lewis; 3rd, Bryant.

15th. Relay Race:—Won by 2nd Year.

#### Final Results:—

Hanson—40 points.

Bryant—30 points.

Clark—28 points.

"Oley" Hanson accordingly won the day. Bryant and Clark, fairly close together, came 2nd and 3rd respectively.

Miss Stewart was Champion amongst the girls making an excellent showing.

## THE HOCKEY GAME AT EDMONTON

Inter-Collegiate Matches between the Claresholm and Olds Schools of Agriculture, have always made Vermilion feel far away. Much as we have desired in past years to travel to Olds, lack of finances, or some other equally impeding obstacle has prevented us. Our Hockey team has been obliged to meet those within a short radius of Vermilion.

This year the ice was good and challenges were sent to Olds, to the University of Alberta and even as far as North Battleford, Saskatchewan. The victorious seven have swept everything before them. The following line-up is responsible for the V.S.A.'s victory over the University Team.

L. Bryant—Goal.

G. Clark—Point.

C. McAllister—Cover.

C. Wallace—Rover.

W. Esdale—Centre.

U. Hanson—Right.

V. Patterson—Left.

#### The Game

With the University boys cheering the "U" and the few supporters of Vermilion doing likewise for the victors, the match started at 10 p.m., January 27th. The first period was very even, the University having a little the better of the combination.

(Continued on page 81)

**Wm. ROBINSON**

ROSEDALE FARM

Breeder of

CLYDESDALE HORSES

SHORTHORN CATTLE

BERKSHIRE PIGS

ANGORA GOATS

PLYMOUTH ROCK POULTRY

4 miles West of Vermilion, on C. N. R.

VERMILION P.O.

**General CRAIG BROTHERS Merchants**

Selling Agents for

PURITY FLOUR

STETSON HATS

INVICTUS SHOES

20th CENTURY CLOTHING

Give us a call. We are at your service.

**CRAIGS' DEPARTMENTAL STORE**

VERMILION,

ALBERTA

Get our quotations before sending your money out of the province.

We can save you money as well as time, which means more money.

**Stephens Brothers, Ltd.**

VERMILION

**THE ALBERTA HOTEL**

VERMILION

Rates, \$1.50 to \$2.00 Per Day.

WM. TELFORD, Proprietor.

CHOICE STOCK FARM IN CONNECTION.

When answering advertisements kindly mention the A.S.A. Magazine.

The second period started with the even score of 1 to 1, but steadily and with the finest exhibition of "clean play" our boys "pulled away," and the game ended with the score of 8 to 4 in favor of Vermilion. Every man played his part admirably and it is almost impossible to discriminate between individuals, nevertheless in the consensus of opinion Billy Esdale was the star, with Lloyd Bryant doing excellent work in goal.

Mr. M. Esdale (Edmonton)

entertained the boys "right royally" at a luncheon at the McDonald. Mayor Henry, Mr. H. A. Craig, Dean Howes, Dr. Talbot and other prominent public men were present. The Banquet given at the Selkirk Hotel by the University of Alberta was a fine affair. Over eighty were present.

This hockey game has materially helped to strengthen that union already existing between the Schools of Agriculture and the University of Alberta.



STUDENT'S COUNCIL, VERMILION.

## The Vermilion Standard

S. R. P. COOPER, Editor.

*Northern Alberta's Leading Home Paper.*

**\$1.00 a year.**

Circulates through 34 Local Post Offices. A Live Paper in a Live Centre

### HEADQUARTERS FOR MEN'S WEAR OF EVERY DESCRIPTION

*Agents for—HOUSE OF HOBBERLIN, STYLE, CRAFT and  
BACHELOR CLOTHING, STETSON HATS, ARROW SHIRTS  
AND COLLARS, CARHARTT OVERALLS AND GLOVES,  
WOLSEY UNDERWEAR, FOUNDES FINE GLOVES*

### THE BOSTON STORE

GORDON ANDERSON

VERMILION,

ALBERTA

### ED. J. KIBBLEWHITE

*Chemist and Optician*

*Drugs and Toilet Articles*

Ansco Photo Supplies

Eyes Scientifically Tested

Frames and Lenses Fitted for  
Comfort.

VERMILION - ALBERTA

### EDUCATION

INSTRUCTION.—The training that goes to cultivate the powers and form the character.

In what other way can we acquire education in its broadest sense, than in the reading of good books—books that contain the results of the research and the ripe experience of the master minds of all ages—books that inform, cultivate, and improve the mental and intellectual powers.

We carry books on almost every branch of study, as well as the very best of fiction, and we therefore take pleasure in inviting you to look over our shelves at any time.

Books—Educational, Devotional, Standard and Current Fiction.

**BRIMACOMBE BROS.**

Vermilion :: :: Alberta

### GEO. S. MATTHEWS

BARRISTER

SOLICITOR NOTARY

Office: Old Bowtell Block,  
First Street South

Phones—Office 173, Residence 158

VERMILION - ALBERTA

When answering advertisements kindly mention the A.S.A. Magazine.



## VERMILION SCHOOL

## of AGRICULTURE

## HOCKEY CLUB

## 1916-1917.



C. D. McAllister  
Cover Point



W. C. Edgole  
Centre



W. C. A. Monahan  
Secretary



E. C. Wallace  
Rover



H. H. Little  
President



J. C. Clout  
Point & Manager



J. W. Peterson  
Left Wing



J. C. Hanson  
Right Wing \*



E. W. Bryant  
Goal

**CASPER PHOTOS**

## Let Us Furnish You Lumber

For Your Repair Work,  
For Your New House,  
For Your New Barn,  
For Any Work,

you contemplate doing, requiring First-class Building Material

Lumber furnished in carload lots positively lower in price than you can buy from any mail order or so-called wholesale concern in Canada.

**THE HAYWARD LUMBER CO.**  
Limited

EDMONTON, VERMILION, VEGREVILLE, LAVOY, INNISFREE,  
MANVILLE, ISLAY and KITSCOTY.

## **WENER'S** *Bakery and Confectionery* **VERMILION**

*Hot Bovril, Tea and Cocoa, Ice Cream Parlor, Soft Drinks.*  
*Fresh Fruit in Season. Smoker's Supplies.*

*We specialize*  
*in Country*  
*Picnic Orders.*

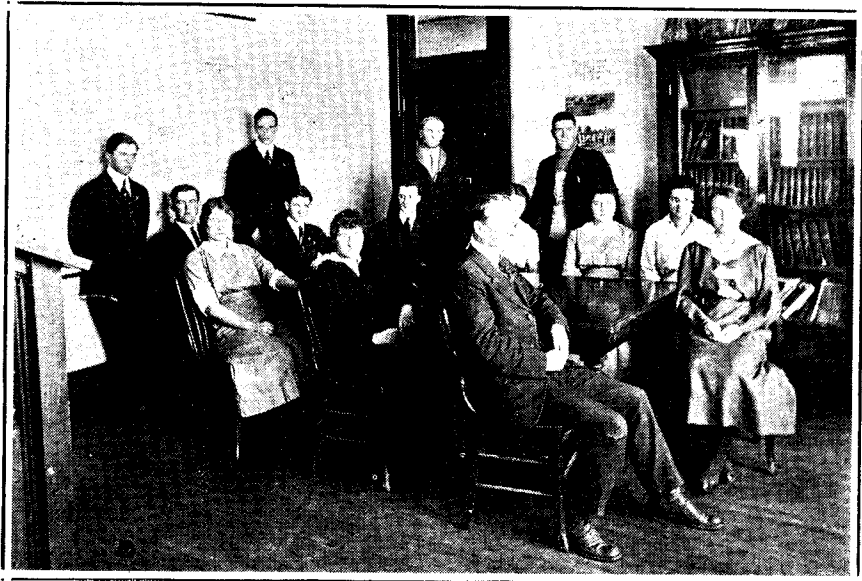
*We use*  
*Robin Hood*  
*Flour.*

When answering advertisements kindly mention the A.S.A. Magazine.

# Claresholm Section

*The Claresholm School of Agriculture  
was built for the farmers' Sons and  
daughters of Southern Alberta.*

A. S. A. Magazine



CLARESHOLM STAFF

## A.S.A. Magazine Staff

CLARESHOLM, ALTA.

---

WESLEY SMITH, *Editor.*

MILTON HANSEN, *Business Manager.*

J. C. HOOPER, M.A., *Staff Representative.*

MISS MABEL SMITH, *Secretary-Treasurer.*

CHALMERS MATLOCK, *Circulation Manager.*



CLARESHOLM SCHOOL OF AGRICULTURE STAFF

# CANADA SECURITY ASSURANCE COMPANY

## HAIL DEPARTMENT

ESTABLISHED, 1913

Losses Paid - IN CASH Exceed \$500,000.00

The entire Capital and Profits of this Company are:

**INVESTED IN CANADA.**

### SPECIAL TO STUDENTS

If you need some money during the coming year call or write. We have an agency proposition for you, if you are a hustler.

We have the Premier Hail Company of Canada  
for Amount of Business Written and Losses Paid.

DO NOT DELAY

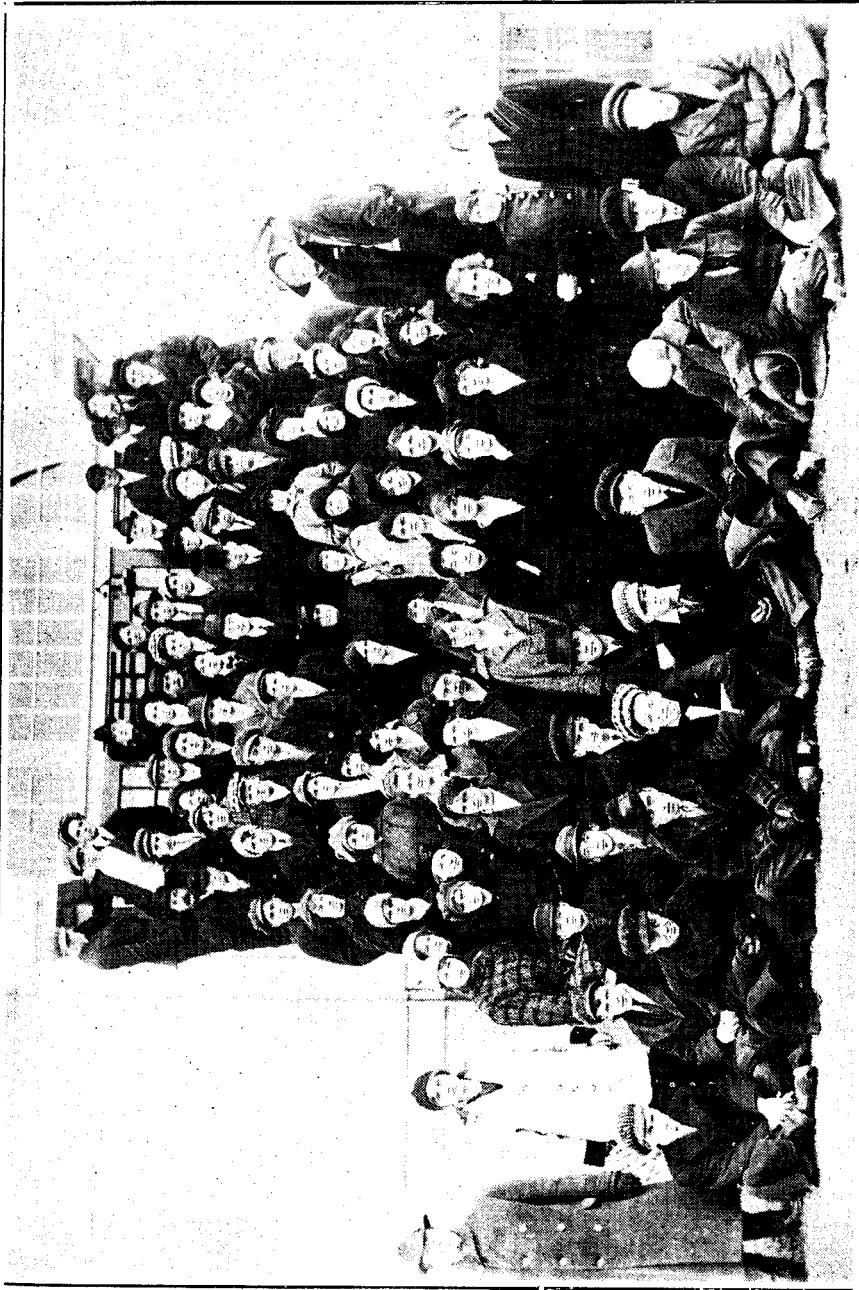
**Canada Security Assurance Company**

DRAWER 260

CALGARY

ALBERTA

When answering advertisements kindly mention the A.S.A. Magazine.



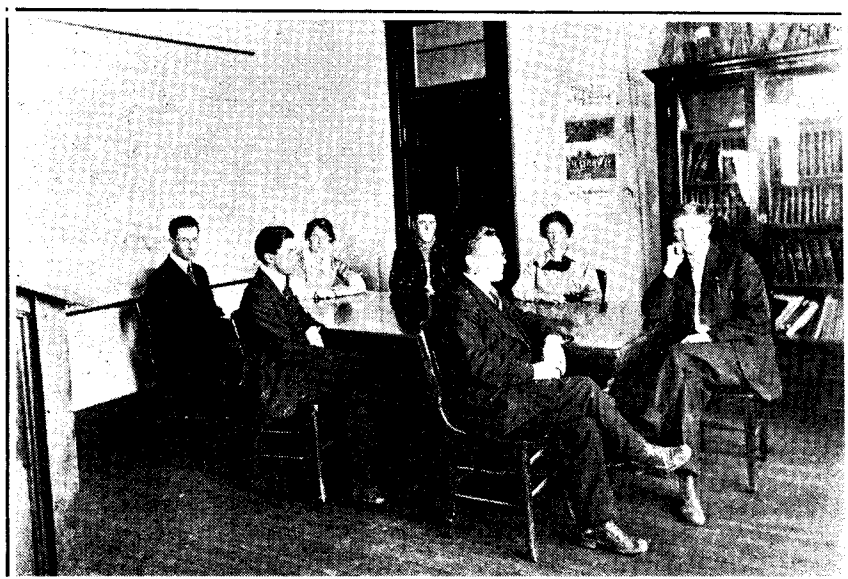
STAFF AND STUDENTS, CLARESHOLM SCHOOL OF AGRICULTURE



## LITERARY EXECUTIVE.

From Left to Right : Back Row—A. Faulkner (Hon. Pres.), E. Straughan (Sec.),  
R. Caldwell, R. Pollock.

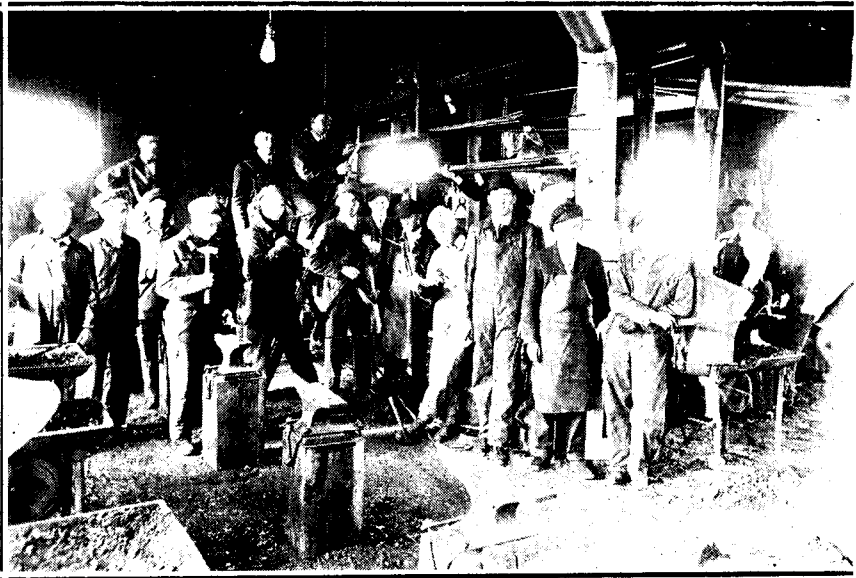
Front Row—M. Hansen (Pres.), N. Fraser, M. Caron, Mrs. Sundal.



## ATHLETIC EXECUTIVE.

From Left to Right : Back Row—M. Shapley, R. Walker, A. Straughan.  
Front Row—N. Fraser, J. Robinson (Secretary), H. W. Scott, B.S.A. (Hon. Pres.),  
S. McGinnis (Pres.).





"USEFUL KNOWLEDGE FOR THE FARMER"



"SCIENCE HELPS US TO UNDERSTAND"

## THE A. S. A. MAGAZINE

### JUST ONE THING AFTER ANOTHER ON THE FARM

We've bathed the Bossie's tootsies, we've cleaned the rooster's ears;  
 We've trimmed the turkey's wattles with antiseptic shears;  
 With talcum all the guinea hens are beautiful and bright;  
 And Dobbin's wreath of gleaming teeth we've burnished snowy white.  
 With pungent sachet powder we've glorified the dogs,  
 And when we have the leisure we'll manicure the hogs.  
 We've done all in our power to have a barn de luxe;  
 We've dipped the sheep in eau de rose; we've sterilized the ducks;  
 The little chicks are daily fed on sanitized worms;  
 The calves and colts are always boiled to keep them from the germs  
 And thoroughly to carry out our prophylactic plan,  
 Next week we think we shall begin to wash the hired man.

### HE DIDN'T KNOW THE DIFFERENCE--BUT I DID!

I am the most unlucky man in the world. I was born in the last month of the year, in the last week of the month, in the last day of the week and the last hour of the day, and the last minute of the hour and the last second of the minute. If I hadn't been very lucky I wouldn't have been born at all. There were two of us when I was born. I'm a twin; we look so much alike you can't tell us apart. My brother is a rascal. When we were sent to school he used to throw spit balls, and teacher would think it was I and whip me. Of course he didn't know the difference, but I did. My brother got into a fight the other day, they arrested me and the judge fined me five hundred dollars and costs. Of course, he didn't know the difference, but I did. I was engaged to be married last Sunday- my brother got up early, went and married the girl; of course she didn't know the difference, but I did. I got even with them though, I died last week and they buried him.

### RULES AND REGULATIONS OF THE HAPPY FAMILY

- 1 Arise early in the morning when thou art called.
- 2 Brush thy hair and thy clothes before descending to prayers.
3. Eat thy breakfast in silence.
- 4 When breakfast is over, make a rush for the stair and make as much noise as thou canst.
- 5 Put thy collar on and sit thee down to study.
6. When the maid comes with brush and broom take thyself from the house and depart to the College.
- 7 When thou comest back be careful not to wipe thy feet on the door mat as there are plenty of hats and mufflers in the hall to use as wipers.
- 8, Comb thy hair and descend to luncheon.
9. Take thyself to school again and come back charged with much knowledge
- 10 Study till six. Take thyself to dinner and return to study until 10.39

? - - - -

A chunky young fellow with a patch of grey hair  
 Was called by his schoolmates "Dad"--  
 Came to this College to get knowledge rare  
 Oh! he was a very smart lad.

He went away home on the Christmas vacation  
 And wonderful things he'd tell,  
 Of the Claresholm Farm of Demonstration  
 And the stock he loved so well.

When asked what kind of cows they had  
 And about what food they feed.,  
 He replied, Rolled Oats to his waiting Dad,  
 And the cows are the Yorkshire breed.

## LOCALS

WANTED:- By a short, stout, good-looking young bachelor- a young lady with a section of land.

\* \* \* \* \*

Mr. H —(Meeting Mr. B- --- on the street one evening): "Hello, Mr. B- ---, what time is it?"

Mr. B --"Oh! about twenty minutes to six."

Mr. H.--(Pulling out his watch) "Yes, Sir, you are correct, thank you."

\* \* \* \* \*

The return wrestling match between Chalmers Matlock and Everett Keller is to take place on Saturday night. The betting is 10 to 1 on Keller, and sincere sympathy is felt for Matlock in sporting circles.

\* \* \* \* \*

We understand that some of the Second Year men are asking for lessons in cooking. What does this mean? This might permit of several interpretations. We give a few that occur to us:—

(a) These students must have faint hearts, or they may hope for the assistance of some fair Domestic Science student.

(b) Perhaps they count on the assistance of some of the fair students in class periods.

(c) Perhaps they intend to instruct some fair ladies themselves in order to show what good helpmates they would make.

\* \* \* \* \*

One of the staff is responsible for the following:--The reward or penalty has not yet been decided.

"What goes 'round a-buttin'?" (a button).

\* \* \* \* \*

(The answer will be given in the next issue).

\* \* \* \* \*

"What was it the joint saw fly?"

\* \* \* \* \*

(Tune--"Billy McGee McGaw")

Two Freshmen met upon the street,  
Oh, very fresh men were they --  
And they were bruised from head to feet,  
Oh, weary men were they.  
They vowed revenge upon their foes,  
They'd heap on them all kinds of woes  
Biff, Boom, Bang!  
Oh, very mad men were they.

A Senior sauntered into view  
A Senior bold was he--  
The Freshmen turned and fairly flew  
Oh, timorous men were they.  
They stopped when they were out of breath,  
And vowed they'd cause that Senior's death -  
Sh-- Sh-- Sh -  
Oh, very bold men were they.

\* \* \* \* \*

"Where does Harold take the pulse of Oxen?"

\* \* \* \* \*

"Where does Albert find the brisket?"

## Character Sketches of the Sophomore Class

**C. A. FREDELL:** "Fredell" is an extremely sociable chap from Blackie, Alberta, and is a very good student. Fredell is an ardent admirer of all pretty girls and is always on hand at dances, socials, etc. He is taking cooking lessons, and his success in this work is apt to make him a target for many of Cupid's arrows next leap year, if he is spared that long. Here's hoping that he will have a long and prosperous life.

\* \* \* \*

**ALTA WHITEHEAD:** Here is a quiet little sophomore who takes great interest in the hockey games, and also in her studies. She always wears a smile and has a kind word for everyone.

\* \* \* \*

**IAN GEHMAN:** Born in Galt, Ontario, in 1897, came West to Okotoks, Alberta, in 1902, and has been farming in that district since. Ian is very fond of skating as well as studying. When there is a dance at the College Ian is sure to be there. The one-step is his favorite, upon which we congratulate him. Public-speaking is one of the studies that Ian looks forward to with pleasure—Nix!

\* \* \* \*

**MRS. SUNDAL:** Please note the name. Mrs. Sundal is the only married lady attending our school. In spite of the curtain lectures she gives, she is a favorite of all the girls. Her husband is "across the Sea" but not "in Germany" yet, although he expects to be there before many months are past. Mrs. Sundal is a jolly sort of person and always enjoys a good laugh.

\* \* \* \*

**LeROY FITZPATRICK:** Commonly known as "Fitz" among the students, came from Minnesota to Lawndale, Alberta, with his father, and followed the occupation of farming. He has always been very studious—that is, when there is no fun going. He is very popular among his fellow students, particularly with the fair sex.



## SOPHOMORE CLASS '17 VERMILION S.A.



CHARLES DULLEA came from North Dakota to Stavely, Alberta, where he has been farming for several years. "I was born in Michigan" applies truly to Charlie. He must have had this well-known tune in his feet for a long time, for if music is to be heard in town Charlie is there "with bells on," and he trips the light fantastic toe with glee. Charlie is a great admirer of the fair sex but unfortunately for everybody concerned, he seems to be quite satisfied with home pleasures, and unless some one takes advantage of the next leap year, Charlie bids fair to live to a ripe old age. To avoid the dangers of ill-prepared food he is taking lessons in cooking in addition to his regular course.

RHODA WHITEHEAD: Here is our old standby the goal-keeper, who helped us to win a number of hockey games last year. She is always seen at our social functions. Rhoda is a successful student. She is a great admirer of tall, fair people. Her crowning beauty is her auburn hair.

\* \* \* \*

OTIS RICE is our smallest graduating student, but his intellect is not small, as is shown by examination results. He is a good farmer near Claresholm and is a great help to his widowed mother. Otis is a very practical student, and nothing pleases him more than starting gas engines. We prophesy for Mr. Rice a very promising future in Agriculture.

\* \* \* \*

AMY STRAUGHAN is one of our best hockey players. A game is a failure if "Amy" is not there. She is rather quiet until one becomes acquainted with her. She is very studious, but forgets her studies when there is a dance or some other function at the College.

\* \* \* \*

LEON WALKER is a "happy-go-lucky" sort of fellow, who studies by fits and starts. He takes great pleasure in sports of all kinds. An occasional hockey game is not unwelcomed by Leon, who plays a very important part in the game, acting as goal-keeper. As he is an expert boxer, he takes great pleasure in an occasional bout. He is said to be a student of Astronomy, having discovered a number of new stars during a short bout with his namesake.

## SOPHOMORE CLASS '17 CLARESHOLM S.A.

**WELDON GREENLEE:** "Weldon" is one of our jolliest students, coming from Lawndale, Alta. He is a great student, that is when nothing else is going on. His greatest pastime is passing compliments to the girls, in which he is well versed. We are sure that he will make a good farmer and do credit to the school.

\* \* \* \*

**LULU WINKLER:** This is the girl we call "Lu" for short. She is one of the leaders in the sports at College, and is a better runner than "Walker." She skates well and is very fond of dancing; in fact we think she would rather dance than eat. Lu is one of the best in her class.

\* \* \* \*

**TERRANCE GRAHAM:** Teddy is that good-looking senior with the black curly hair. He is an American citizen, residing at present near Warner, and is a good farmer. He enjoys a "hop" as well as anybody, but when it comes to study he "hops right to it." Altogether Terrance is a very nice fellow, and he says he would not be "Ruth-less" for anything.

\* \* \* \*

**MARIE CARON:** This is our little French girl, full of fun and well liked by all. She will leave many heart-broken freshmen to think she will not be with them next year. Marie is fond of sports and is a leader in our social functions. If she can't be first in her class she is sure to be second.

\* \* \* \*

**C. MATLOCK.** Who is this? Why, this is our sophomore who is known as "Fat." He is full of fun and no one can get the blues when he is around. He is a fellow that seldom gets angry over a joke, unless a friend of his telephones to the **girl**. He is one of the hockey players, is very fond of sport, and is a great lover of dancing. Chalmers is President of the Students' Council.



# SOPHOMORE CLASS '17 CLARESHOLM S.A.



JOHN W. BURWASH was born in Bruce County Ont., from which place he came to Carmangay, Alberta where he has since been farming. John is always a quiet, retiring student, who has made a good impression on his fellow students by his unfailing good nature. "Early to bed and early to rise" is his motto, and also "Johnny-on-the-spot" when class is called. He works steadily, and we wish him all good luck when he leaves school for his life work.

\* \* \* \*

ANTHON MALM: "Tony" for short, comes from the Town of Retlaw and, like all the other students from that particular district, his chief delight is studying and dairying, pardon me, one-stepping. Tony is at the front, when he comes to social functions, and is somewhat of a comedian. His chief worries are girls and vegetable gardening.

\* \* \* \*

HELEN WICKSON: Here is one of our little hockey players, and also one of our favorite and leading girls. She is seldom heard unless a good game is in sight, but she is often seen among the famous sophs. She likes dancing and can keep her part in a conversation.

\* \* \* \*

JOHN SEARS: John is our oldest graduating student and he feels the weight of responsibility resting on his shoulders as a result. He is a steady, good-natured fellow and is one of our best students. John has surprised us this year by showing a desire for a friend of the fair sex, and we are all trying to follow his example. When he receives his diploma he intends to settle down to farming at Nanton, and we expect to hear from him in future as one of Southern Alberta's best farmers.

\* \* \* \*

ROSS WALKER: This is a very studious young fellow, and one who takes great interest in all the sports at the College. Hockey is his favorite pastime, and he misses a dance when there is no possible chance of his getting there. He is the Captain of the Boys' Hockey Team, and a member of the Athletic Executive. He helps in all social functions, and just one thing more—is an ardent admirer of girls. Wow!!!

## SOPHOMORE CLASS '17 CLARESHOLM S.A.

SYLVESTER SCHUMAKER was born in Bruce County, Ontario, came West to Claresholm in 1909, and has been farming there since. "Silvey" is a debater of some renown. To overcome his fears he braced his trembling knees, took three deep breaths, and then prepared to annihilate his opponents in his first debate. His efforts were crowned with success, and since then "Silvey" has again won laurels. His abilities, however, are not confined to debating alone, as were shown in the last vegetable gardening examination—But keep up your spirit "Silvey," maybe she will make the garden.

\* \* \* \*

JOHN NELSON: "Nelson" is a student from south of Claresholm, and is greatly handicapped by having to drive three miles to school each morning. However, he is a hard-working student, and we hope that examinations will give him his reward. John wastes no time thinking about social events, but always has a good time at any functions he attends.

\* \* \* \*

EFFIE NOWLIN: The only girl who started and didn't finish her course, which doubtless she would have done, had it not been for ill health. She takes well with all the students. There are rumors afloat that wedding bells will be ringing for her next summer. If such be the case, "Long happiness and good luck" is the chorus of the C.S.A.

\* \* \* \*

MILTON HANSEN is always at the head of his class. He is rather a quiet sort of fellow, although he always has a good time at a social function. He is President of the Literary Executive, and is a capable Chairman at our Literary Meetings.

\* \* \* \*

RAYMOND M. POLLOCK: "R. M." for short, came to Alberta with his father in 1909 and settled near the town of Retlaw where he is farming at present. Raymond is seldom seen studying, but always stands high in examination results. He is President of the Athletic Committee, Vice-President of the Students' Council and a member of the Literary Executive. He is a good hockey player, but his favorite pastimes are dancing and playing the violin. His chief worry is as usual—girls.





# SOPHOMORE CLASS '17 CLARESHOLM S.A.



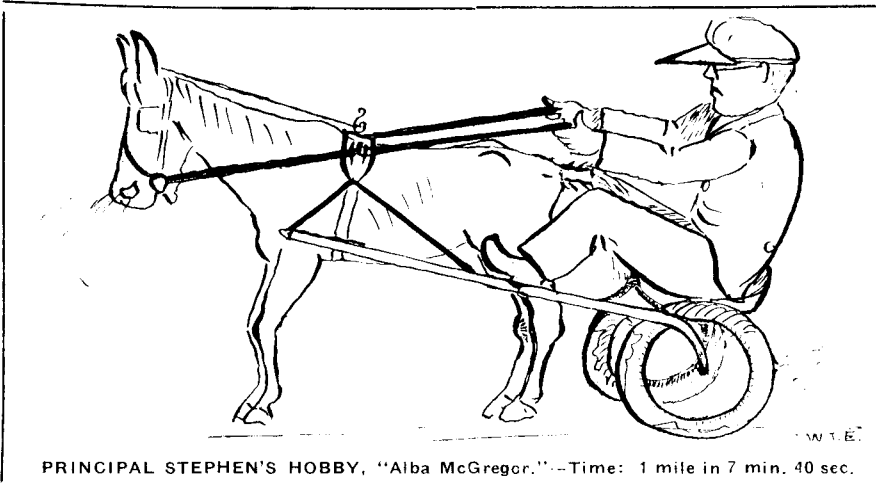
STANLEY McGINNIS: "Stan" was President of our 1916 Athletic Society, and was a zealous worker. We are very sorry that he left before the term was over, because he is a very bright student and a pleasant companion to all. Stanley is a good hockey player and a very good athlete. We must not forget that he is very fond of a (Mar-ie) merry girl.

\* \* \* \*

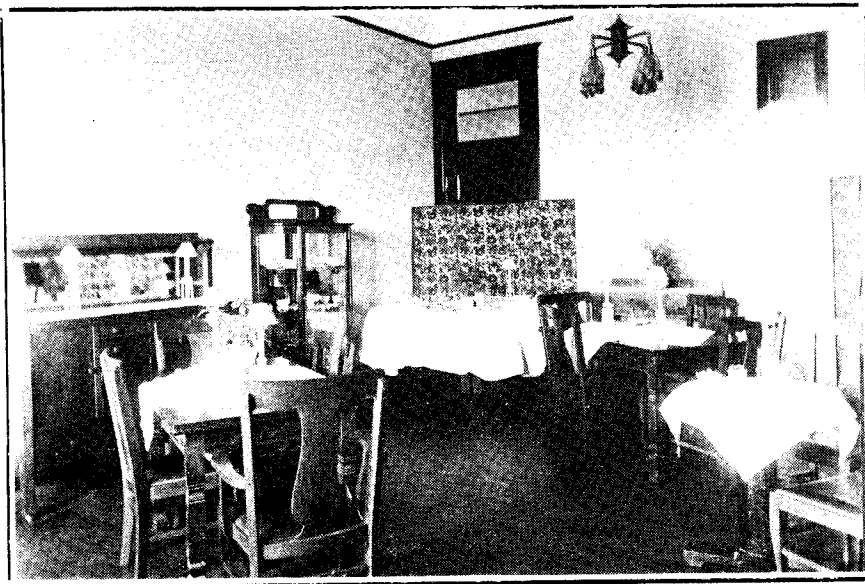
ALFRED MATLOCK: "Bosie" is the boy who likes to sing about a beautiful girl and a beautiful night. He quit school before the end of the term, much to the displeasure of the other students. Bosie was an active leader in all the sports of the College. He was one of our favorite sophs.

\* \* \* \*

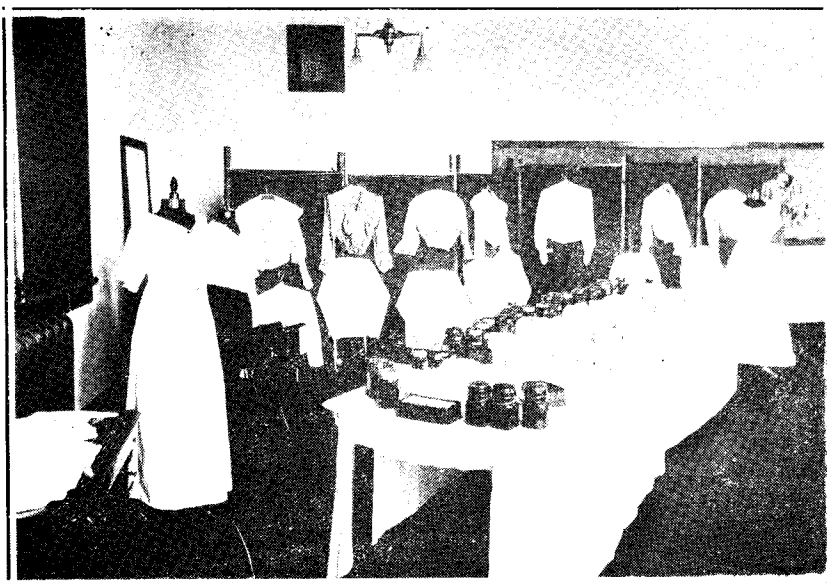
FANNY COOMBS: Here is another sophomore, a very clever English student. She is the only senior girl who has success in the study of poultry. As this is the line she intends to follow she will probably take up this work in Edmonton next year. She is a dandy, jolly girl, and no one has the blues when Fanny is around.



PRINCIPAL STEPHEN'S HOBBY, "Alba McGregor."—Time: 1 mile in 7 min. 40 sec.



READY FOR A RED CROSS TEA.



THE RESULT OF PAGE 28

## Initiation--Or the Lament of the Freshmen

As usual I came to school on Friday of last week, expecting to tread the usual paths of knowledge and to collect some Nuggets of information to help me in time to come. I walked into the hall—what a change was there. The scene photographed itself upon my brain. On the stairs was a group of girls peering intently at something in the basement. Upon their faces were pictured various expressions and emotions—surprise, horror, compassion, laughter, indignation—all were there.

To see this, took but an instant, and an instant was all that I was allowed, for two grim-faced seniors seized me firmly by the arms and I was led into captivity. Thoughts of resistance entered my mind, but I saw that they were vain, and I was led as a lamb to the slaughter. On going down to the basement I saw various other lambs gathered by numerous goats. The goats seemed to have designs upon the liberties and appearance of the lambs. Their limbs were securely fastened by strong cord and their faces were disfigured by green paint. I do not know whether the goats had brains enough to choose that particular color to represent our greenness, or whether the color was chosen by accident. At any

rate it was not the color that embarrassed us, it was the delicate fragrance and unfamiliar taste—I say taste advisedly, for the goats did not seem to have very steady hands—or should I say feet. Some of the lambs proved themselves wolves in sheep's clothing, they got away and put up a very unlamblike struggle. At last, however, all were tied. The goats next proceeded to tie the lambs together, using a sort of breeching harness as rope. They marched us off in the direction of the town, and my spirits began to sink. Supposing the Miss Lamb, of whom I thought so much, should see me now—would she ever recognize me again? Alas—I almost wept crocodile, I should say sheep, tears.

However, the goats did not prove to be such bad animals after all. They were considerate enough to unfasten us at the gate, and then miracle of miracles, the goats and the lambs proceeded down town and feasted. Ye gods—think of it! Lambs and goats sat down peacefully side by side and masticated oysters.

The week has gone by now. For my part I bear the goats no malice. As I said before, they were not such bad animals after all.

Mr. John S.—has shown himself a good student at college, and an excellent cattle feeder. On the eve of January 19th he surprised us all by blossoming out as a social leader. Note:—There is still a possibility of his not having to spend his future days alone if he keep up the good work.

Baseball &amp; Football

Lacrosse &amp; Cricket

Tennis &amp; Golf

Bicycles &amp; Sundries

THE ATHLETIC OUTFITTERS OF THE WEST

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Fishing Tackle

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We carry a full line of High-class

**GROCERIES**

— AND —

**DRY GOODS**

Try us for a square deal

**W. D. ANNABLE****CLARESHOLM**

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## AT ANY BOARDING HOUSE THE NIGHT OF A DANCE

The events of the day have nothing whatever to do with this story. Most authors or authoresses, as the case may be, single out some one in their story as a hero and one for a heroine. Well, there doesn't happen to be a lady in my story at all, and all the boys in it are heroes, at least I am sure you'll think so when you've finished reading this.

School being out, our six heroes trudge gaily home from school. On the way Tom says to Dick: "Going to the dance to-night?" "Naw, nothin' doin'," when all the time he knows he is, but if it is divulged that he is going he must then be assailed by questions from everyone as to which one of the many girls is to be his partner, so he thinks it safer to deny it.

They all come in with an air of suppressed excitement. One can feel it in the atmosphere, although each one is going around with a calm exterior. They sit down and attempt to study, but either the dance or else the friend, I'm not sure which, is so much on their brain that they find study difficult. At last they slam their books on the desk or floor, whichever is handier, and commence to get ready. They all decide to change their footwear. Bill has a pair of fancy socks which Harry secretly longs for. Harry has them hidden under the mattress so Bill can't find them. He goes through his trunk, looks in his clothes closet, in his best shoes and everywhere, but no, those socks simply will not come to light. He gets so excited he forgets to put on his shoes again and goes down to supper, when he discovers he hasn't any on. Back he goes and gets Dave's tan one for his right foot and his own olack one for his left. Everything else is calm so far, but after supper, excitement reigns supreme.

Ten minutes or more elapse before anything of interest occurs, when slowly and solemnly, one by one, in single file, Indian fashion, they come to the kitchen for shaving water. Each bears in his right hand an aluminum collapsible cup. With a sheepish grin each one says: "May I have a little hot water, please?" The water secured, they slowly and solemnly proceed to go back.

The cup is thin and the water hot, and half way to its destination, the cup drops. For why? Why it was too hot to hold, and therefore it fell. The unlucky man was met with many jeers by his companions, such as, "Oh, you boob, hold on to it," "Oh, he wanted to go back to the kitchen to see the girl," etc. The water secured, they bravely proceed to shave. What does it matter if they do cut themselves? Aren't they going to the dance, and won't Miss ----- be there? So what does it matter? Then the cold cream and talcum powder that those boys use!!! Why girls would blush with shame if they ever used it so lavishly. The excitement grows. A bystander may see all this and hear it too. "Dave, where's my shirt?" "I don't know," crossly, because Dave is trying to tie his necktie. "Oh, Bill, have you got my other boot?" "Nope, never seen it." "Skinny, where's my tie pin?" "You had it last time I saw it." "Well, I left it right in that box." "No, you didn't, because it's not here now." "Well, I tell you I did." "You didn't." "I did." In the meantime someone found it in the owner's tie, which was hanging on the wall. "John, will you clean my boots?" "No, I won't, who was yer nigger last year?" "Oh, say, fellows, have any of you seen that brown pair of trousers of mine? I want to wear them to-night and can't find 'em." "Naw, we ain't seen 'em." "Wish I could find that pair of socks of mine." "Where in the 'dickens' is my collar?" "Anyone seen my hat?" "Gee whiz, wish I could find anything two minutes after I lay it down." "Someone's got my watch, where is it?" "Open yer eyes a little and look." "What in the 'dickens' is the matter with this old collar?" "If I'm in a hurry to go anywhere that is the time I can't find anything."

At last they are ready to start, when Bill spies his fancy socks on Harry; so Harry has to go back and change after all. He is mad because he didn't get away before being caught. They finally go out and quietness reigns over the troubled household. But oh, if you could see their rooms! You wouldn't need to go to the movies to see the ravages of a cyclone.

THE  
**Claresholm Pharmacy**

---

Is the Place to Buy Your  
 NOTE BOOKS, SCRIBBLERS, PENCILS, Etc.  
 A Full Line of STATIONERY, POST CARDS,  
 KODAKS and SUPPLIES  
 DRUGS CHOCOLATES CANDIES  
 Always on hand

---

O. L. REINECKE :: Proprietor

**MAPLE LEAF**  
**PAINTS**

*and*  
**VARNISHES**

MAKE GOOD BECAUSE  
 THEY'RE MADE GOOD

**FLOGLAZE**

"The Finish That Endures"

For all indoor and outdoor domestic  
 finishing in enamels or lac shades.

**IMPERIAL VARNISH & COLOR CO.**  
 Limited

108 Princess Street  
 WINNIPEG, - MAN.

For  
**General Blacksmithing**  
*and*  
**Fancy Horse Shoeing**  
 go to

**C. N. BOOTH**

Corner of  
**FOURTH AVENUE**

*and*  
**SHELVER STREET**

**Claresholm, - Alberta**

When answering advertisements kindly mention the A.S.A. Magazine.

# - ALUMNI -

Before the term closed in the spring of 1916 the students decided to organize an alumni association, in order that they might meet annually to discuss matters of interest to themselves and to the school, and thus the better keep in touch with each other.

The following officers were elected.—

Hon. President—H. W. Scott.  
President—J. Straughan, Parkland.

Vice-President—Miss E. Knight Claresholm.

Sec. - Treasurer - Miss Mabel Straughan, Parkland.

Committee—C. Tapp, Nanton, Rep. at the University; S. Hillerud, Claresholm; C. Carney, Claresholm.

On June 26th the Committee met and decided to have a re-

union of the ex-students at the time of the Excursion, August 7th, 8th and 9th. One hundred and seventy-five of the students assembled. Lectures were attended, and on August 8th the afternoon was given over to athletics, followed by a social evening spent in dancing, which all enjoyed. During the evening the students decided that a class pin would make a good souvenir of their first reunion. Since then a design has been submitted and approved and the same is now the recognized emblem of the C.S.A.

The thanks of the students and ex-students are extended to President Straughan for the honor roll which he so generously contributed, and which now occupies a prominent place in the assembly hall.

## ENGLISH PERIOD

Mr. F.—"Mr. G., please give me a sentence using the word 'notwithstanding'."

Mr. G.—"Father wore his pants out, but not with standing."

\* \* \*

## AND HE SLEPT IN ALSO

I woke to look upon a face—silent, white and cold,  
O, friend, the agony I felt can never half be told.

We lived together but a year, too soon, it seems to see  
Those gentle hands outstretched and still, that toiled so hard for me.

My waking thoughts have been for one who not asleep has dropped  
'Twas hard to realize, O friend, my Ingersoll had stopped.

Question: "Why does R. M. Pollock give such good promise of being a financier?"

Answer: "Because he is always chasing around after coin (Coyne)."

# PICKARD & TUCK

RETAILERS LIMITED JOBBERS

OLDS - - - CALGARY

"Everything a Man Wears."

*MEN'S SUITS, HATS*

*NECKWEAR, SHOES*

AND

*WORK CLOTHING*

Satisfaction Guaranteed or Money Refunded

**TREES** Do the fair thing by your farm and family in this year of prosperity and Plant **TREES**  
Trees, Fruits and Flowers



Isn't This Farm Home Worth While?

We supplied the trees and shrubs for it, and can do the same for you with Guaranteed Alberta-grown plants. Write us.

**THE MITCHELL NURSERIES**  
COALDALE - - - ALBERTA

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## - SOCIAL -

### RECEPTION

The formal opening of the School of Agriculture took place on the evening of November 17th. This was given by the Principal and Staff, by way of a Reception and Dance for the students.

A large number of guests were present—citizens, graduates and students—and the assembly hall was a scene of continuous merriment as the graduates renewed acquaintances with their old classmates and made new acquaintances with our 1916--17 class.

The music was furnished by the Claresholm Band, which was highly complimented by the dancers.

After refreshments were served the Reception was drawn to a close with the National Anthem.

### RED CROSS

Although much time is occupied in study, assemblies and the necessary recreation, our girls have not forgotten our soldiers in the trenches. A period is given each week, under Miss Robertson's supervision, for the purpose of doing Red Cross work, and many useful articles are handed into the Red Cross Society each month.

On Friday, December 16th, we were favored with a visit from Miss McIsaac, of Edmonton, and

Miss Naysmith of London, Eng., Representative for Alberta at the London Office.

In the afternoon the assembly hall was filled to its capacity with students, citizens and members of the Women's Institute and Red Cross Society. The program commenced by a short opening address from the chairman; several musical selections were rendered, and then the audience enjoyed a very interesting address from Miss Naysmith on "The Red Cross Work Done in London, England." At the close of the program the throng descended to the dining-room where tea was served by the girls, under Miss Hayward's capable direction, the proceeds going to the Red Cross Society. The dining-room was tastefully decorated in red and white, and the waitresses carried out the color scheme by wearing white dresses with a red cross on the left sleeve.

The next place of interest for the guests was the sewing-room where there was a splendid exhibition of cooking and sewing done by the girls during the term. The cooking consisted of canned fruits and vegetables, soups, mince meat, jellies, jams, plum puddings, decorated Christmas cakes and many different varieties of candy. The fancy and tailored blouses and the large display of fancy-work showed the skill in the art of needlework acquired by the pupils.

---

Prof. T. (Discussing wind galls in a veterinary Science class):—"Wind galls are not a very serious blemish, but they are an eye-sore which—"

Student—"How do wind galls make the eyes sore?"



## CLARESHOLM MEAT MARKET

WE GUARANTEE BEST QUALITY

**MEATS** FULL WEIGHT

Prompt Delivery.

Regular Shipments of  
FRESH FISH from Vancouver.

**R. A. Fisher**

PHONE 11  
CLARESHOLM

## Neilson's Chocolates

*(The Chocolates that are Different)*

In beautiful boxes, all sizes. These Chocolates have no equals.

BAKERY AND CONFECTIONS.

Full Line of Tobaccos.

## THE AMERICAN RESTAURANT

J. B. BOESE, Proprietor

CLARESHOLM,

ALBERTA

**YE OLDE FIRME**

Made in Canada by Canadians for Canadians with Canadian Money.

For 65 years, Ye Olde Firme—three generations of Canadians—have been making the

**HEINTZMAN & CO.**

**ART PIANO**

This truly Canadian Piano has become famous the world over—now the leading piano in our sister colony Australia.

ALBERTA BRANCH  
322 8th Ave. West, Calgary, Alta.  
D. J. McCutcheon, Mgr.



QUALITY ABOVE EVERYTHING

is the all important consideration in ordering food supplies, and with us the highest attainable quality is our aim. Therefore, fresh goods are always to be relied upon at **MARK FISHER'S**. For those who are particular as to what they eat, our line of groceries will be found eminently satisfactory, whether you require staple articles or table luxuries.

CLARESHOLM - - ALTA.

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# ATHLETICS

## CANADIAN STANDARD OF EFFICIENCY TEST

The Sportsman's Patriotic Association sent a representative to the School to interest us in the Canadian Standard of Efficiency Athletic Test. The Athletic Committee have taken up the work, and the student body is quite enthusiastic about it. To pass these tests, a boy in normal health of a given weight should jump a certain distance or height; should run one-hundred yards in a definite time and should throw a baseball or put the shot a certain distance.

We find that some of the boys who enter the school can come up to the standards, while many cannot. However, after constant practice these boys finally succeed.

The Athletic Committee have set aside every Tuesday evening from 9.15 to 10.45 to be devoted to training, and at regular intervals the tests are held. As a result of these tests quite a number of boys have come up to the standard, and their names are being sent to C.S.P.A. who are supplying bars for each group of events. One bar is known as the runners' bar, given to the boy qualifying in the potato race and 100 yard dash; a second bar, known as the jumper's bar, to the boy qualifying in the standing broad jump, running high jump and standing hop, step and jump, the thrower's bar is given to the boy qualifying in target throwing, throwing the baseball, chinning the bar and putting the shot.

Some of the records made this term are—

100 yard dash—Stanley McGinnis	11	seconds
Potato race—A. R. Matlock	14.5	seconds
Standing broad jump—M. Hansen	8 ft. 11	ins.
Running high jump—Ross Walker	4 ft. 8	ins.
Standing hop, step & jump—M. Hansen	24 ft. 6	ins.
Throwing baseball—A. Matlock	307 ft. 10	ins.
Putting 8 lbs. shot—A. Matlock	49 ft. 8	ins.

Three of the boys have made more than the maximum number of credit in throwing the baseball, and four in putting the shot.

## BOXING and WRESTLING

The Athletic Committee are giving medals for the champion boxer in each of the following classes, heavy, medium and light weight. They have purchased a wrestling mat, which the boys are making good use of. The boxing and wrestling bouts are put on every Tuesday evening, and are very interesting.

One feature of our Tuesday night meet is a class in club swinging for the girls which has resulted in very few broken heads as yet.

Last year the students bought lumber and posts for an eight foot fence around the rink, and borrowed some of the money on a note. They are endeavouring to raise funds to meet this note before school closes. The Athletic Association gave a dance which was a success socially and also financially, and intend to hold a carnival on January 30th on the school rink.

The Athletic Committee is receiving the enthusiastic support of the student body, who appreciate the training and encouragement in physical development which they are receiving.

A few games of hockey have been played locally, and so far the school has been victors in all.

The Fourth Annual Field Day of the C.S.A. was held on November 24th. The weather was cool and cloudy, but nevertheless a good crowd was in attendance.

A certain number of points for first, second and third places in each event, was allowed.

The Champion athlete was A. Matlock, with M. Hansen second and S. McGinnis third. The champion lady was Miss Pope, Miss E. Straughan second,

(Concluded on page 111)

**E. G. BARBER**

BAKER  
PASTRY COOK  
CONFECTIONER

*"Bride Cake a Specialty"*

CLARESHOLM - ALTA.

*Go To*

**Louis Norgard, Claresholm**

FOR

FIRST-CLASS

BLACKSMITHING

HORSESHOEING

and WOODWORK

**J. L. McCRIMMON**

Merchant Tailor

CLARESHOLM

AGENT FOR

Fashion Craft Clothes

**S. M. Ferguson**

*.. BUILDING ..*

CONTRACTOR

P. O. Box 14 Claresholm, Alta.

Phone 85

**Mack's Barber Shop**

*Opposite the  
Wilton Hotel*

**W. J. Mackenzie**

**THE  
Men's Cash Store**

*Will Clothe a Man from Head  
to Foot.*

Yours for Business,

**CARL J. BRAREN**

Claresholm, Alta.

**QUEEN'S  
..HOTEL..**

THOS. GUY, Prop.

*Popular Rates*

CLARESHOLM - ALTA.

THE  
Claresholm Review-Advertiser Co.

Publishers of the

**STAVELY ADVERTISER**

and

**CLARESHOLM REVIEW  
ADVERTISER**

Commercial and Society Job Printing

R. K. PECK,

Editor and Business Mgr.

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## ATHLETICS—(Continued from page 109)

and Miss Wickson and Miss Shapley tied for third. The events of the day with their respective winners appear below. :

**KICKING FOOTBALL**—1st, A. Dicken; 2nd, J. Burwash; 3rd, H. Owen.  
**PUTTING 8 POUND SHOT** (boys under 150 pounds)—1st, W. Nelson; 2nd, T. Malm; 3rd, J. Walburger.  
**PUTTING 8 POUND SHOT** (open)—1st, A. Matlock; 2nd, Wm. Payne; 3rd, S. McGinnis.  
**STANDING BROAD JUMP**—1st, M. Hansen; 2nd, A. Matlock; 3rd, N. Fraser.  
**RUNNING HIGH JUMP**—1st, A. Matlock; 2nd, M. Hansen; 3rd, S. McGinnis.  
**THROWING BASEBALL** (boys)—1st, A. Matlock; 2nd, M. Hansen; 3rd, Wm. Payne.  
**THROWING BASEBALL** (girls)—1st, Miss Winkler; 2nd, Miss E. Straughan; 3rd, Miss L. Pope.  
**RUNNING BROAD JUMP**—1st, A. Matlock; 2nd, M. Hansen; 3rd, J. Walburger.  
**100 YARD DASH**—1st, A. Matlock; 2nd, M. Hansen; 3rd, S. McGinnis.  
**TUG-OF-WAR**—Was won by the first year men.  
**GIRLS' 50 YARD DASH**—1st, Miss L. Pope; 2nd, Miss M. Shapley; 3rd, Miss L. Winkler.  
**RELAY RACE FOR GIRLS**—Was won by the Second Year Girls.  
**GIRLS' THREE-LEGGED RACE**—1st, M. Shapley and E. Straughan; 2nd, H. Wickson and R. Whitehead; 3rd, L. Pope and L. Winkler.  
**GIRLS' 100 YARD RACE**—1st, L. Pope; 2nd, E. Straughan; 3rd, H. Wickson.

The events were all finished early in the evening and every one had a very enjoyable time. A dance was to be held in the evening, but it was postponed for a few days.

## CAN YOU GUESS WHY ?

Mr. N. prefers brick houses to wooden ones ?

\* \* \* \*

So many of the boys board at the college farm house ?

\* \* \* \*

Prof. H. doesn't walk home with so many girls as he did last year ?

\* \* \* \*

The Freshmen don't like green paint ?

\* \* \* \*

The College Chevrolet needed a new set of springs and frame ?

\* \* \* \*

Question, in Mechanics:—"Define horse-power."

Answer, by Mr. L.—"Horse-power is the first make of a power the farmers had to drive their machines with, before the gas, steam and electricity were used, and they are still used some in coal mines."

\* \* \* \*

Question in Blacksmithing Exam.—"What is coke, and how is it made ?"

Answer---Mr. E.—"Coke is a square and soft thing in shape and is formed from ashes, making a poor fire for welding."

\* \* \* \*

TAKE NOTICE:---Miss R. and Cotton.

The following dances are strictly forbidden: Charlie Chaplin, Lame Duck, Turkey Trot, Fox Trot and The Bunny Hug."

\* \* \* \*

Inquiry:—"Why does Miss W. wear English walking shoes ?"

Probable answer:—"To enable her to become a 'Walker'."

\* \* \* \*

It is rumored that Long and Caron have taken to playing marbles since children have been forbidden to enter pool rooms.

# **STEELE BRIGGS**

## **FOR SEEDS**

PURE RELIABLE SEEDS OF STRONG  
GERMINATION THAT GIVE RESULTS.  
OVER FORTY YEARS EXPERIENCE  
IN TESTING AND SELECTING EN-  
ABLES US TO SUPPLY SEEDS THAT  
ARE DEPENDABLE.

*WRITE OR CALL FOR CATALOGUE*

**Steele Briggs Seed Co., Limited**

*Canada's Greatest Seed House.*  
WINNIPEG, CANADA.

*Your Power Troubles are over  
when you buy*

**PREMIER MOTOR GASOLINE  
ROYALITE OR SILVER STAR  
KEROSENE  
POLARINE OIL**

**STANDARD GAS ENGINE OIL**

*Made in Canada and for Sale at over Eighty Stations  
in Alberta*

---

**THE IMPERIAL OIL CO., LTD.**  
**CALGARY    ::    ::    ::    ALBERTA**

*When answering advertisements kindly mention the A.S.A. Magazine.*

## - The Literary Society -

The Literary Society holds its meetings every Saturday night. Some very interesting debates have been held, and many of the students have shown excellent ability. The knowledge thus gained will no doubt be very beneficial.

The debates have embraced many of the problems related to the farm, such as:

Small Tractor vs. The Horse, in Southern Alberta.

Beef Cattle vs. Dairy Cattle, in Southern Alberta.

Mixed Farming vs. Grain Growing, in Southern Alberta, as well as certain topics of general interest, as, Simplified Spelling, Oriental Immigration, Capital Punishment and Women's Suffrage.

These meetings are opened by vocal and instrumental selections. The C.S.A. Magazine, which is issued fortnightly, and in which many amusing and interesting local are inserted, is read, causing much merriment among the students.

The Play to be given by the Society, entitled "The Bachelor's Elopement," will doubtless be a success from start to finish. Admission will be charged and the proceeds donated to the Athletic Committee for sporting goods and rink expenses.

The students wish to extend a hearty vote of thanks to all who are helping to make the Literary Society a success, to Miss MacKenzie who has been very generous with her splendid readings, and to the Department of Extension of the University of Alberta, which has so generously furnished valuable material for the debates.

### THE STUDENT'S LAMENT

-----

Letter written by A.S.A. Student to a Railroad President on the occasion of the decease of one of his favorite animals:

The Student's letter:

My Razor-Back,  
Strolled down your track  
Just a week ago to-day.  
Your "99"  
Came down the line  
And snuffed his life away.  
You can't blame me,  
The hog, you see,  
Slipped through the railroad gate  
So simply pen  
A cheque for ten  
The debt to liquidate

The Railroad President replied:—

Our "99"  
Came down the line  
And killed your hog we know  
But Razor-Backs  
On railroad tracks  
Often meet with woe.  
Therefore, my friend,  
We cannot send  
The ten for which you pine—  
So plant the dead,  
Raise o'er his head:  
"Here lies a foolish Swine!"

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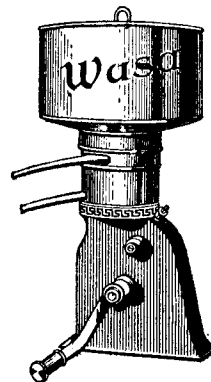
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## ADVICE TO YOUNG GIRLS GOING TO CITIES

By "Betsy."—C.S.A.

In the first place I don't think young gals should go galivantin' 'round to the cities. My land, if all mothers had the 'sperience I've had in my short life they wouldn't allow their precious darlings out of their sight in one of them big no account cities. But no, they must go and see the sights, so off they go. Now, I consider it my bounden duty to warn all these innocent gals of the pit-falls that always come in their way.

In the beginning, when they go to one of them big hotels, let them beware of them slick-tongued fellers who come up and speak to 'em, asking 'em all sorts of 'quissitive questions.

I'll just relate my experience to make my meaning clear. I landed in Noo York City O.K. without loosin' my two little red morrocky trunks, which I swear if I hadn't asked the conductor for every time he came thru the train, would have been lost. I just got off the train and sot down on a bench and wailed until I seen them two trunks on the platform. A nice young man came and said "Cab, mam" Well sakes alive I didn't know what he meant, until he pointed to my trunks and asked me if I wanted to go to a hotel, and if I did he'd take me in his cab. He was real nice. He didn't get mad even if I did ask him to stop every once in a while to see if them two little red morrocky trunks were all right.

Well, when I arrived he set them two trunks o' mine on the hotel steps and tips his hat perlite like and says "even-in' ma'am." Then a great big tall feller came up and ast me if I wanted to stay in the hotel. I told him 'I did, and he give me a pen and told me to register. I told him I didn't want to register, I just wanted to stay in his hotel. I seen a sign too which said "safe in office." Well I wanted to be in the safest place so I staid in the office.

By and by this feller came up to me and says, says he, "Take an elevator, mum?" Well my land I didn't know what an elevator was. I thot maybe

it was a kind of drink, so I said, "No, thank you, I ain't thirsty." He gave me an awfully queer look and walked away. Pretty soon another fellow came up to me and said: "Take an elevator, mum?" Well I was thirsty, so I decided to try this new-fangled drink, so I said, "Why, yes, I am quite thirsty so I think I will have one." He looked at me kinda queer too, but went away and presently returned with a glass of pink-lookin' stuff. I drank it, and my, it was good. But, oh the results—he then smiled and said, "If you will walk this way, mum, I'll show you the way. Wa-al, land sakes, when I looked at his feet I saw he was bow-legged, and I said, "No, sir, not if I know it." He just opened a little door and showed me into the cutest little room. There was a woman and a little boy in there so I sot down and tried to make myself comfortable, but I was dreadfully worried about them two little red morrocky trunks, 'cause I couldn't see them. Pretty soon I felt awfully queer, the room seemed to be goin' up. I decided it was that alevator I took, so I shut my eyes and tried to think, but that room would go up: so I leaned over and said to the lady, "Are you goin' up too?" She nodded her head, and I said, "Did you take an elevator, mum?" She nodded her head, and I felt some relieved to think I wasn't the only one that fellow had doped with his elevators. By and by it seemed to stop and a fellow in a blue coat and brass buttons opened the door and we all three got out, and my sakes alive, I was muddled. I couldn't see them two little red morrocky trunks anywhere, and oh, my, of all the stairs I had to go down—and I know I never came up 'em.

Well, I got out of that hotel (and I got my two trunks too) and I went to a more respectable one, where they didn't dope poor lone women with elevators.

Now, my advice is, no matter what these fellows offer to give you to drink don't drink it, even if he does insist on your taking it, especially if it's an elevator.

Your friends can buy anything that you can buy them, except your photograph. Make the appointment to-day.

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GASOLINE**

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CLARESHOLM, ALTA.**

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## 1916-17 STUDENTS OF CLARESHOLM SCHOOL OF AGRICULTURE

The following is the list of students who are in attendance at the school:---

### SECOND YEAR GIRLS

Marie Caron	Amy Straughan	Mrs. T. A. Sundal
Helen Wickson	Alta Whitehead	Effie Nowlin
Fanny Coombs	Rhoda Whitehead	Lulu Winkler

### SECOND YEAR BOYS

S. McGinnis	W. Greenlee	I. Gehman
T. Graham	M. Hansen	L. Walker
J. Sears	A. Malm	C. Fredell
J. Nelson	R. Pollock	S. Schumaker
O. Rice	J. Burwash	J. Dullea
L. Fitzpatrick	C. Matlock	A. Matlock
R. Walker		

### FIRST YEAR GIRLS

E. Chambers	C. Hocking	A. Funk
M. Frankish	A. Coyne	H. Anderson
D. Little	C. Madden	M. Wells
A. Litchfield	R. Caldwell	E. Sundquist
I. Litchfield	R. Holroyd	Etta Sundquist
M. Kingsley	E. Straughan	L. Pope
A. J. Bremner	M. Shapley	L. Meneice
I. Larsen	F. Yorgason	A. Hansen
J. Davies	S. Sorensen	

### FIRST YEAR BOYS

Peter Coyne	L. Benson	W. Smith
J. Thomas	E. Caron	N. Fraser
A. Dicken	E. Keller	A. Olson
M. Sanders	E. Beingessner	D. Smith
E. Holbrook	B. Bailey	G. Shuttleworth
O. Saunders	G. Davies	E. Leitch
J. Walburger	L. Tenney	H. Owen
W. Payne	J. Robinson	C. Bradshaw
J. Cress	R. McLeod	H. Liddle
W. Nelson	H. Stewart	D. MacDonald
A. Frankish	J. Harris	L. Matkins
H. Bingham	O. Long	E. Anderberg
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**WILTON HOTEL**

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Have your Broken Pens Repaired by the  
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them in for you.

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**DEPARTMENTAL  
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## EDITORIAL

Another term is drawing swiftly to a close. Our hopes, our fears, our struggles and ambitions for this term will soon be past history.

In school, as in the outer world, things do not always run smoothly. Without the dark cloud we should not enjoy the silver lining, and disappointments often test the true worth of the man.

We desire here to express a hope that the graduating class, which is about to go out into the world to fulfil various missions, will carry with them an affectionate remembrance of their college days.

We also hope that this, our fourth number of the A.S.A. Magazine, will surpass even the high standard set in former years, and that the Sophomores will preserve it in their library of chosen books as a souvenir of college days.

We, the students, desire to express our appreciation to the staff for their kind and intelligent guidance. We are fortunate in being under the direction of such a capable staff, who are at all times ready to assist us in smoothing out our difficulties.

### EXCURSION AND SHORT COURSE TO SCHOOL OF AGRICULTURE AT CLARESHOLM DURING THE SUMMER OF 1916.

On August 7th, 8th and 9th the Department of Agriculture at Edmonton, Alberta, held an Excursion and Short Course of three days at the School of Agriculture, Claresholm. About six hundred people were in attendance during this period. On the first day of the excursion addresses were given by Mr. H. A. Craig, Deputy Minister of Agriculture; Dean Howes, of the Agricultural College, and other prominent agriculturists. Mr. Carlyle, Superintendent of Demonstration Farms, took the excursionists over the demonstration farm, and Principal W. J. Stephen explained the work being carried on on the experimental area at the school.

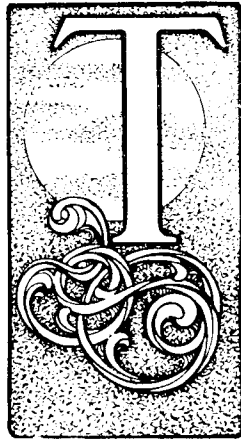
On the second and third day lectures and practical demonstrations were given on "Gas Engines" by Mr. Holeton, of Olds Agricultural School; on "Cereal Crops" by Mr. Grisdale, Principal of the Agricultural School at Vermilion; "Livestock" by Messrs. Myers, Clements and Carlyle; "Weeds" by J. C. Hooper, M.A., and J. D. Smith, Superintendent of the Seed and Weed Branch, Edmonton; "Poultry," by Mr. Foley, Superintendent of the Poultry Branch; "Domestic Science" by The Misses Hayward, Hotten, Davis and Robertson; and "Home Nursing" by Miss Mackenzie.

There has been a rumor going around the corridor of the school that there will be wedding bells ringing shortly after college closes. Say! Benny, Walter and Ted, are you guilty?"



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A. S. A. Magazine



THANK GOODNESS THE MAGAZINE IS OUT !

## A.S.A. Magazine Staff

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ANNA M. ARCHIBALD,  
*Editor-in-Chief*  
FRANK W. ADDISON,  
*Business Manager.*

WM. L. JACOBSON,  
*Circulation Manager.*

RALPH BAIRD,  
*Editor's Assistant.*  
J. D. PHILLIPS,  
*Assistant Business Manager.*  
GLADYS M. SCOTT,  
*Assistant Circulation Manager.*

E. W. PHILLIPS, *Sec.-Treasurer.*

### ASSOCIATE EDITORS:

EDITH C. McKINNON,      ALECIA PHILLIPS,  
HARRY SWITZER,      PAUL CAROE,  
W. J. ELLIOTT, *Staff Representative.*

### REPORTERS:

GLADYS TRIMBLE,      MABLE CROSS,  
*Social.*      *Music.*  
CECIL ARCHIBALD,      ALEX. CULBERTSON,  
*Literary.*      *Athletic.*

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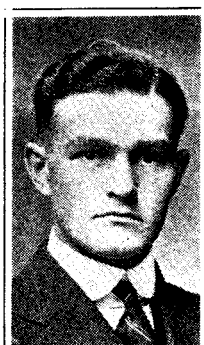
O. S. LONGMAN, B.S.A.  
Agronomist.



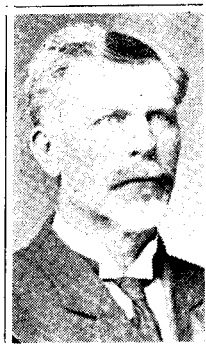
MISS E. CUMING  
Instruc. Household Science.



W. J. ELLIOTT, B.S.A.  
Principal.



J. G. TAGGART, B.S.A.  
Instructor in Science.



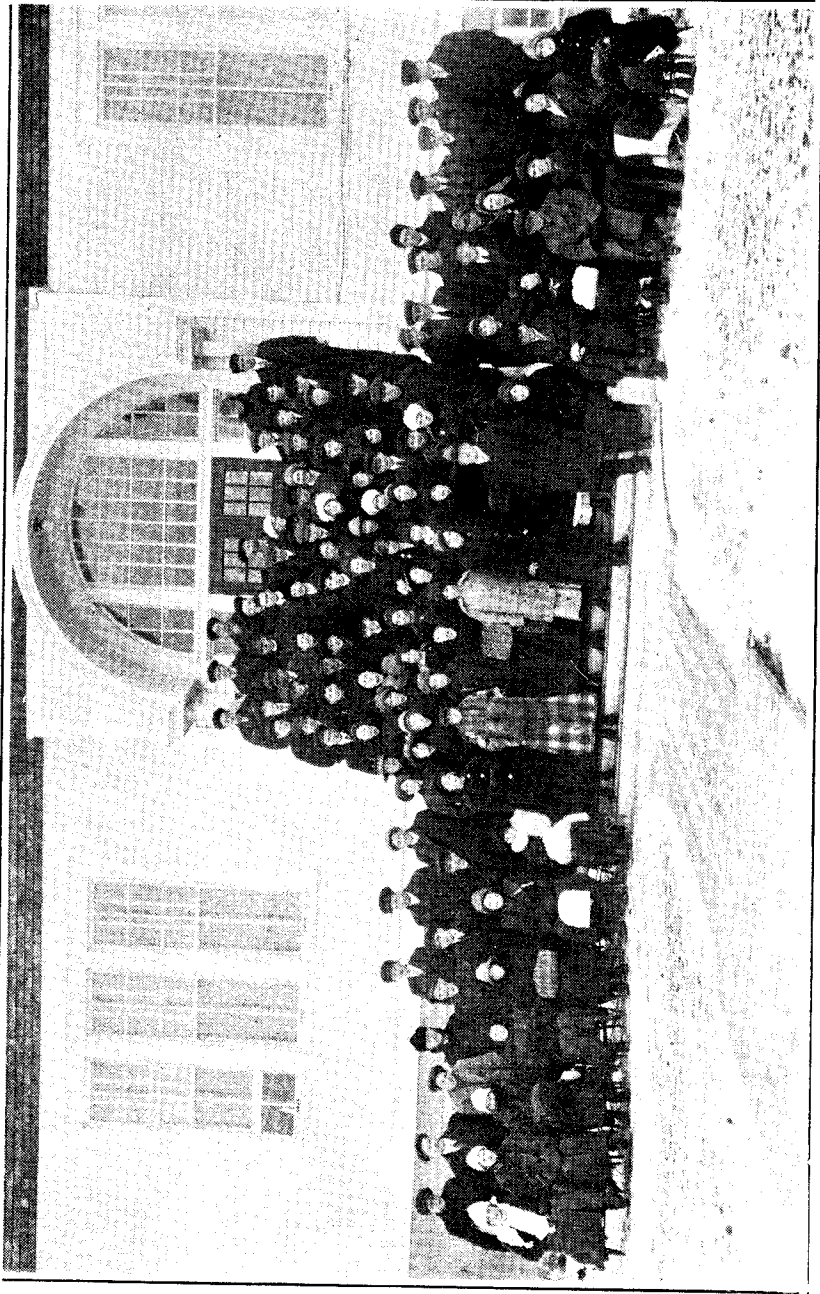
J. H. McNALLY  
English and Mathematics.



MISS ISABELLA URE  
Stenographer.



MISS M. E. STORY  
Asst. in Household Science.



"THE BUNCH"—OLDS SCHOOL OF AGRICULTURE.

## SOPHOMORE CLASS '17 OLDS S.A.

ALEX. J. CULBERTSON. "Time, I dare thee to discover," "Such a youth and such a lover." Alex has not been blind to O.S.A. beauty during his two years. He can usually make a "hit" but why did he not hit with the "Hammer?" He is fond of dancing, is the champion runner of the "Sophs" and his greatest weakness is apparently "infatuation." He is President of the Athletic Committee.

ETHEL CURTIS. "Naughty, perhaps, but surpassingly sweet." Ethel's bright and pleasant ways have made her a general favorite among her classmates. "For she's a jolly good fellow." Ethel has overcome more difficulties than most of our students in attending school, as she has done the home house keeping on the farm as well as walking in to attend classes. Home Nursing is the subject in which she intends to specialize very shortly. Forte—Goal tender in G.H.T. Favorite pastime—Teasing. Weakness—Mathematics.

J. F. WILLIAMS. "A kinder gentleman treads not the earth." Jim hails from the "Green Isle" and his solid worth has won friendships well worthy of him. He is an earnest worker and is undoubtedly going to take a prominent place in the world of busy men. He takes undue interest in the house being planned by the girls and we often wonder if he ever gets "Cross" about it. His intentions are unknown.

ROY ROBERTS. "Come and trip it as you go, on the light fantastic toe." Roy is our one English lark and we are justly proud of him. He has proved himself of rare ability as a speaker and a deep thinker. His ready wit and pleasant smile are best known to his friends of long standing as he is rather quiet "at first." On holidays and Sundays he is seen with his Eastman Trunk.

EDITH C. MCKINNON. "There was a quiet grace in all her actions, betokening gentleness." Among the students of the O.S.A. none is held in higher estimation than Edith. She has capably filled the office of Associate Editor on the Magazine Staff this year. She has always been proficient in all parts of the Domestic Science Course and hopes to specialize. She is very "Frank" and is, indeed, what she is. Hobbies—Embroidery. Favorite pastime—Accompanying Gladys to the Kandy Kitchen. Weakness—Peppermint creams.



## SOPHOMORE CLASS '17 OLDS S-A.



**JOHN W. MARTIN.** "Tranquil minds accomplish much." In his quiet manner Jack has steadily won the respect of all his fellow students. Last year he won the P. Burns Prize for practical work, and both years has shown himself well worthy of the praises bestowed upon him, as one who has "worked and won." He thinks there is no place quite like the O.S.A. for agricultural training and has made a genuine success of his cooking lessons.



**TOM H. FARMER.** "With face so fair, and wavy hair, the maids quite often at him stare." Tom is a lover of all dairy cattle, but particularly of Ayrshires of which he is a good judge, and shows great "patience" in his work. He has been employed on the Demonstration Farm at Olds for several years and has proven his solid worth. Tom has a peculiar fondness for "Olive(s)."



**J. MARSDEN.** "He hath a face like a benediction." "Hans" came from England to "Exc-el," in farming. He is a great debater in favor of gasoline tractors. While attending the O.S.A. he spent a great deal of his time studying the descent of man, and on this subject he is a very deep thinker. His style has not appealed to the fairer sex of the School.



**GLADYS M. TRIMBLE.** "Real worth requires no interpretation." As President of the Social Committee, Gladys has done splendid work. She has also distinguished herself as one of the clever "Sophs," selfishly heading exam. lists. She intends to specialize. Gladys is tired of teaching and hopes to keep house for her father next—maybe. She is quiet and unassuming and has won many loyal friends. Forte—Science. Favorite pastime—Patronizing the Kandy Kitchen. Weakness—Coffee and sandwiches.



**HARRY C. SWITZER.** "A fair exterior is often a good recommendation." Harry is not Dutch as the name might imply but is a pure Canuck for he was born near Lacombe. He is engaged in mixed farming near the town of his birth and makes a specialty of raising pure-bred stock. Harry is Associate Editor of the Magazine and is a member of the Students' Cabinet. In summer his favorite games are tennis and baseball. Occasionally Harry sees fit to put on "Ayers" at the O.S.A., but considering the distance to Lacombe we must forgive him.

## SOPHOMORE CLASS '17 OLDS S.A.

EDWARD W. PHILLIPS. "Brevity is the soul of wit." Ed has been the Secretary of the A.S.A. Magazine during his second year. He is an admirer of good stock and in the class room has proven his ability as a judge. Ed. never appears to give the girls a second thought. He takes great interest in the making of the house for the Soph. girls and is an enthusiastic Domestic Science student. When told of the misfortune of another in the cooking class he exclaims: "Well, it's not my funeral."

WILLIAM L. JACOBSON. "The time I've spent in wooing, in watching and pursuing, the light that lies in woman's eyes, has been my heart's undoing." Jake is honored by the high position of President of the Students' Union and has discharged his duties in that as well as many minor things, very conscientiously. He has been a star player on our hockey team during two years. His greatest trouble is making a "hit" but he never gets discouraged.

JAMES A. HUGHES. "Nature made him 'Sunny Jim'." Jimmy is a Canadian by birth. He is of a practical turn of mind and excels in that line of work. The O.S.A. reaches his standard of perfection. For recreation he prefers hunting for his (Ga) Zell (e) and the "patter (of) sons" feet can be heard on the board sidewalk late at night.

ANNA M. ARCHIBALD. "She knows, she knows, she's glad she knows. We're glad she's glad, she knows, she knows." Anna is bright, sensible and is a source of inspiration to many. Her well-known executive abilities and general efficiency have gained for her positions of honor. She served on last year's Magazine Staff as Associate Editor and this year is Editor-in-Chief. She is also President of the Literary Committee. Forte--Literature. Favorite pastime--Reading. Weakness--Hurrying.

FRANK W. ADDISON. "There have been men who had more wits than hair." "Addie" came from Ontario to Alberta. While at the O.S.A. he has been a very hard worker and usually comes out ahead at examination time. In his second year he has been a capable Business Manager of the A.S.A. Magazine. The girls of his dreams have been many. At present his bewitching glances seem to be wandering in two directions at once.



## SOPHOMORE CLASS '17 OLDS S.A.



NELS C. DAHL. "He that is slow to anger is better than the mighty." "Dahl" originated in Nebraska. He now resides at Standard, Alberta, where he is farming with his brothers. Occasionally he strays from the narrow way of study to gaze towards the ranks of the second year girls but this sentiment passes off with the next chinook. Gasoline tractors are one of his favorite topics when roused. He takes great interest in reading books on Tractors and Love. Nels' thoughts the first year at O.S.A. was on its collection of weed seeds and the second year on its collection of girls.



HENRY G. BACKSTROM. "Bashful sincerity." Most quiet people improve with acquaintance and Henry is no exception to the rule. He looks on the bright side of things and makes it impossible for the more "serious" Sophs to keep "serious." He takes great interest in his work, however, and intends to go on for his degree. He is a debator of considerable merit.



LUCY BROWNE. "More prone to self-communing solitude, than noisy revels." Although her stay with us was not a very long one, she, by her happy disposition, has proved herself a friend to her fellow students and there were not a few who regretted her early departure from our midst. Forte - Practical work. Favorite pastime - Sewing. Weakness - Working late at night.



JAMES L. OWENS. "Long were his legs and his heart sincere." Owens is so quiet that few are really well acquainted with him. However, certain of the Sophomore girls liked his appearance - for some reason - and we doubt if his glances in their direction were entirely indifferent. He is fond of baseball and other sports and takes an interest in his work. He believes firmly in mixed farming and is very fluent on that subject. It is also well known among his fellow students that he sings "Irish" songs, feelingly.



FRED SYKES. "Himself alone, none other he resembles." Sykes is known for his gentle footsteps. He was born and reared in the fertile district of "Bashaw." His stately form and carriage are remarkable. His musical education has been somewhat neglected, but through his accuracy of time and entanglement of weary notes this has been partially overcome. He will make good use of his O.S.A. education.

## SOPHOMORE CLASS '17 OLDS S.A.

**HAROLD LUND.** "His lively looks a sprightly mind disclose." Harold is a hard worker and realizes the value of an agricultural education. He takes a keen interest in all the School activities. His straightforward manner has won him the respect of his fellow students. As Secretary of the Social Committee he worked most effectively to make the social evenings a success. Dancing is his favorite pastime.

**E. BERNICE PRITCHARD.** "What's the use of worrying? It never was worth while." Bernice as Vice-President of the Athletic Committee worked hard to organize a Girls' Hockey Team. Her cheerful countenance and attractive manner have endeared her to the hearts of the students and we may say the end is not yet. We are sure she will make a success in life for she is a "Russel-er." Bernice is the other "Heavenly Twin." Forte—Music (Star of the East). Favorite pastime—Dancing. Weakness—Self-depreciation.

**VERNON PARKER.** "They who from study flee, live long and merrily." Vernon's forte lies in reading the contents of "joke boxes" of which he has charge. He never fails to see the "joke" and maintains the brightest countenance of any in the class throughout the most discouraging circumstances. It takes Vernon to describe the "round up." Dairy and Science exams. are the source of his greatest trouble.

**CHARLIE SWITZER.** "He hath a horse, better than the Neapolitans!" Charlie is one of our Alberta farm boys from Lacombe and he thinks there is no other town in the Province equal to it. The only stock that are worth while are Clydesdales and Short-horns. He has given great evidence of being a horse trader and believes in "doing" the other fellow first but "White Lake" is a great hindrance. He takes great interest in outdoor sports, particularly baseball and hockey.

**HATTIE CROSS.** "Always like herself, wise, fair and true." As one of our O.S.A. students, in her work she applies herself with an earnestness that is sure to mark her a successful woman in whatever sphere of life she may be placed. Forte—Practical work. Favorite pastime—T'atting. Weakness—Knitting, and worrying if her marks fall below 95.



# SOPHOMORE CLASS '17 OLDS S.A.



ERNEST MADSEN. "His golden locks clustered 'round his temples like a god's." Ernie is, perhaps, one of our most popular boys. He dances splendidly and gets as much as possible from our dances. He is interested in sheep and registered Shorthorns and delights in reading (love stories). He has found that the course of true love seldom runs smoothly.

\* \* \* \*



GUTHRIE B. SANFORD. Sanford is a good specimen of the "blue nose" variety. Owing to the severe cold in the upper air, together with the corresponding high altitude in which his head and shoulders are thrust, he has suffered this season with colds. He is taking the two year course in one. He is a star debater and actor. It is his intention to complete the Agricultural Course. His vertical elevation is in the ratio of "Six foot one way, one foot t'other."

\* \* \* \*



ETHEL THOMPSON. "Thy modesty is a candle to thy merit." Ethel, although quiet and unassuming in manner has gained a distinction among her fellows for her extraordinary cleverness in culinary arts. We were very sorry that Ethel was unable to return to School after the Christmas holidays.

\* \* \* \*



D. L. CAMPBELL. "Feeling is deep and still and the word that floats on the surface is as a tossing buoy that betrays where the anchor is hidden." Campbell is an Albertan, and is still living at his birthplace near Bowden. Duncan is a good stock judge and also an authority on gas engines. He shows his liking for exercise by his daily walk in from the country which he has accomplished very faithfully. He is of a quiet retiring nature, a boy who says little but thinks much. In Literary periods the girls are greatly infatuated with his powers of speech.

\* \* \* \*



SAM. G. JOHANNESSEN. "I profess, not talk." "Sam" comes from "Nord' Dakota" and is now living at Olds. He is of a very studious nature, paying strict attention to his work. He thinks that going to the O.S.A. is a very fine way of passing the winter. He is quiet in disposition and says "Nothing to nobody." His favorite amusement is skating. He is noted for minding his own business.



## SOPHOMORE CLASS '17 OLDS S.A.

PAUL CAROE. "Music hath charms to soothe the savage breast." Caroe came from Denmark. After travelling in Africa and spending two years in Argentina, he has finally settled in Sunny Alberta, near Innisfail. He is taking the full School Course in one year. He takes great interest in indoor games, though his favorite pastime is dancing. Being an excellent pianist he has given us many real musical treats throughout the term.

\* \* \* \*

VIOLET FROST. "Her hair is not more sunny than her smile." Violet is the youngest member of the senior girls' class. Her bright, pleasant manner and good looks have won for her many admirers, especially among the sterner sex. Forte—Cooking. Favorite pastime—Fancy-work. Weakness—Her one "Cross" having to wear a uniform.

\* \* \* \*

ALBERT F. MALCOLM. "For he is the boy with the auburn hair." "Red" was so quiet that he was not well known by most of the girls, but we have a lingering suspicion that his interests were not centred entirely among the boys at the School. Public speaking caused him more discomfort than any of the other practical labor on the course. Those who knew him recognized his many sterling qualities and his absence after the Christmas holidays was greatly deplored.



### CHANGES IN THE STAFF.

The present School term has witnessed several changes in the College Staff. We regretted the loss of Miss Goldie, who had been in charge of the Domestic Science Department since the School was opened. Her position was then taken by Miss Davis, formerly Assistant, with Miss E. Cuming, acting in the latter capacity. Was it fate, or something less cruel that at Christmas caused Miss Davis' departure from us to preside over a new home in the East? Our good wishes follow her wherever she may go.

This necessitated a second rearrangement. Miss Cuming is now Instructress in Household Science while Miss M. Storey fills the position of Assistant. Miss Ure this year takes up Miss Murray's former duties as Stenographer.

To each and all of the Staff we, the students, wish to express our appreciation of their labor in our behalf—their willingness to advise and ever ready sympathy and assistance in all our activities. To them we extend our heartiest wishes for the best the future holds.

# A PREMIUM FOR CLEANLINESS

The dairy business is fast approaching the point where a premium will universally be paid for clean milk. Far-sighted dairymen are awake to these extra profits and the ever-increasing number of



users among fancy milk-producers is a certain indication that this material is of valuable assistance in their work.



INDIAN IN CIRCLE IN EVERY PACKAGE.

Nearly all dairy supply men carry Wyandotte Dairyman's Cleaner and Cleanser in stock. If your dealer or supply man cannot furnish you, kindly write us.

**THE J. B. FORD CO.,**    **Sole Mnfrs.**  
WYANDOTTE, MICH.

*This Cleaner has been awarded the highest prize wherever exhibited.*

**"IT CLEANS CLEAN."**

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## A PREMIUM FOR CLEANLINESS

The dairy business is fast approaching the point where a premium will universally be paid for clean milk. Far-sighted dairymen are awake to these extra profits and the ever-increasing number of

**Wyandotte**  
Dairymen's  
Cleaner and Cleanser

users among fancy milk-producers is a constant increase.

### ADDITIONAL FIRST YEAR GIRLS OLDS SCHOOL OF AGRICULTURE

Phillips, Alecia, Carsland	Skoda, Minnie, Bashaw
Plummer, Alice, Ouilletville	Strong, Merle, Olds
Rodbourne, Alice, Crowfoot	Tennis, Emma, Wetaskiwin
Rodbourne, Charlot, Crowfoot	Whiteside, Ethel, Zenith
Robinson, Lorea, Oyen	Whiteside, Louise, Zenith
Radford, Ruth, Olds	Waterston, Janette, Wetaskiwin
Rasmussen, Dagna, Standard	Waterston, Edith, Wetaskiwin
Russell, Thelma, Crossfield	Weatherly, Vesta, Stettler
Scheffler, Agnes, Castor	Wik, Annie, Stettler
Sargent, Florence, Bawlf	Waldron, A. M., Clive
	Wacker, E. L., Swalwell

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## 1916-17 Students at Olds School of Agriculture

### 1st YEAR AGRICULTURE

Archibald, Cecil, Lochinvar  
 Baird, Ralph, Twin Falls, Iowa.  
 Backstrom, E., New Norway  
 Bruns, Harold, Lacombe  
 Brown, N. G., Sedgewick  
 Coad, Robert, Wastina  
 Cross, Harry, Wiste  
 Coonfer, W. A., Langdon  
 Dundas, Fred, Sunnyslope  
 Dohlman, J. F., Dickson  
 Deadrick, J. D., Didsbury  
 Deadrick, L. L., Didsbury  
 Dahl, C. P., Standard  
 Gowdy, D. T., Shepard  
 Gowdy, Wm. C., Shepard  
 Haines, Norman, Strathmore  
 Hutchings, Stewart, Calgary  
 Hansen, G. B., New Norway  
 Hatherly, H. G., Ingleton  
 Herbig, Ernest, Dalroy  
 Hartman, LeRoy, Ohaton  
 Jackson, H. G., Castor  
 Kemp, J. R., Elnora  
 Knudson, John, Knudling Lake  
 Munro, Howard, Excel  
 Murphy, Chas. D., Youngstown  
 McNichol, Alex., Crossfield  
 MacDonald, W. D., Grainger  
 Oxford, Frank, Amisk  
 Phillips, Duane, Carsland  
 Roedler, Erna, Crossfield ✕  
 Robinson, S. C., Flaxland  
 Richardson, D., Hartshorn  
 Seymour, Alvin, Donalds  
 Shott, Bernard, Flaxland  
 Scarlett, T. T., Innisfail  
 Siegrist, Howard, Mellon  
 Stevenson, S. G., Craigmyle  
 Tennis, Wm., Wetaskiwin  
 Umbach, Hilton, Carstairs.  
 Van Kleeck, J. R., Luseland

Willson, Wm., Milnerton  
 Welsch, Frank, Olds.  
 Wood, Ray, Carstairs  
 Weir, A. C., Lougheed  
 Waldron, A. V., Clive

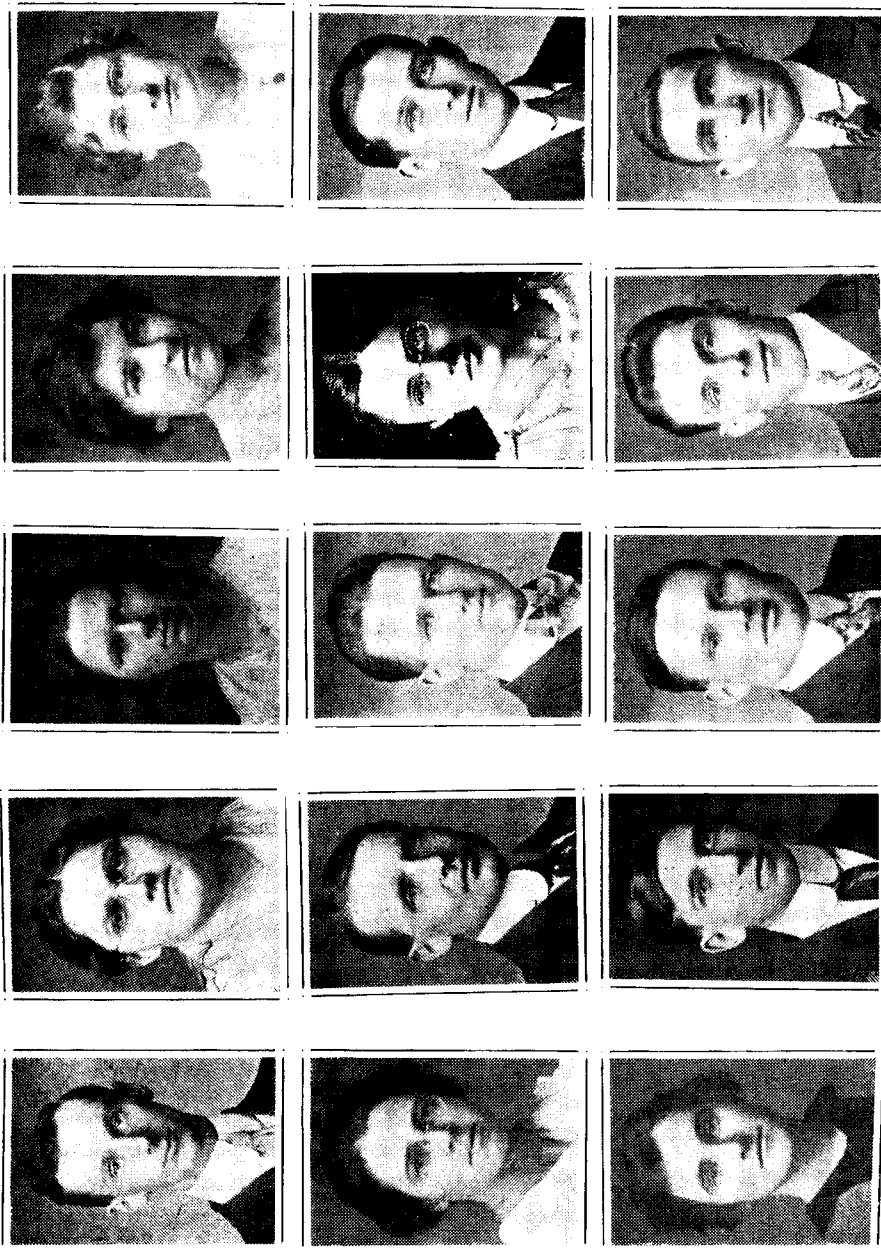
46

### 1st YEAR HOUSEHOLD SCIENCE

Ayers, Lilian, Olds  
 Conn, Marion, Innisfail  
 Carrico, Susan, Olds  
 Carrico, Alice, Olds  
 Cross, Mable, Olds  
 Cook, Beatrice, Olds  
 Collison, B., Strathmore  
 Downie, Emma, Ethelton  
 Dickson, Nellie, Carstairs  
 De Scott, Gladys, Killam  
 Davis, Fanny, Ponoka  
 Dodd, Florence, Morrin  
 Fletcher, Agnes, Delia  
 Gilson, Mary, Olds  
 Gowdy, Emma, Shepard  
 Gowdy, Mary, Shepard  
 Hartell, Annie, Cheadle  
 Hutchings, Marion, Calgary  
 Hammer, Nettie, Olds  
 Hoback, Alice, Airdrie  
 Ironsides, B., Garden Plains  
 Jacobson, S. J., Lacombe  
 Kerr, A., Elkton  
 Kerr, E. C., Elkton  
 Locke, Edna, Banff  
 Moore, Ethel, Langdon  
 Neilson, A. M., Dickson  
 Neilson, L. P., Dickson  
 Parker, Azalia, Brant  
 Patterson, Zella, Olds.

→ Mrs Nelson of Cluny.

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STUDENTS' CABINET. OLDS

Left to Right: Top Row - G. B. Sanford, Mabel Cross, Erna Roedler, Marion Hutchings, E. B. Pritchard, Vice-Presidents.  
 Centre Row - A. M. Achibald, Paul Caroe, W. L. Jacobson, G. M. Trimble, A. J. Culbertson, Presidents.  
 Bottom Row - A. K. Phillips, H. G. Switzer, J. D. Phillips, Hammond Lund, Ralph Baird, Secretaries of the Literary, Musical, Students' Union, Social and Athletic  
 Olds, respectively.

## 1916-17 Students at Olds School of Agriculture

### 2nd YEAR AGRICULTURE

Addison, Frank, Markerville  
 Backstrom, Henry, Highland  
     Park  
 Culbertson, Alex., Bassano  
 Caroe, Paul, Dickson  
 Dahl, Nels, Standard  
 Farmer, Thomas, Olds  
 Hughes, J. A., Didsbury  
 Jacobson, Wm. L., Stettler  
 Johanneson, Sam, Bergan  
 Lund, Harold, Dowling Lake  
 Martin, John, Dalroy  
 Marsden, Joseph, Excel  
 Madsen, Ernest C., Olds  
 Malscolm, Albert, Innisfail  
 Owens, J. L., Ponoka  
 Phillips, Ed., Langdon  
 Parker, Vernon, Brant  
 Roberts, Roy, Shepard

Ray, Lloyd, Didsbury  
 Switzer, Harry, Lacombe  
 Switzer, Chas., Lacombe  
 Sykes, Fred., Bashaw  
 Sanford, G. B., Olds.  
 Williams, Jas. F., Ensign

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### 2nd YEAR HOUSEHOLD SCIENCE

Archibald, Anna., Lochinvar  
 Brown, Lucy, Innisfail  
 Cross, Hattie, Olds  
 Curtis, Ethel, Olds  
 Frost, Violet, Olds  
 McKinnon, E. C., Red Deer  
 Pritchard, E. B., Bawlf  
 Trimble, Gladys, Red Deer  
 Thomsen, Ethel, Dickson

9

### OLDS LOCALS

**Lost:** Alex Culbertson's diary \$5.00 reward!

**Strayed:** Three girls from O.S.A. - Liberal reward offered for return of same.

**Stolen:** From head of stairway, four boys' caps--Notify Miss Cumming.

Miss Cumming: "Marion, what external qualities would you require most in your husband?"

Marion: "Well, he would have to have, oh, you know, a big nose and mouth and long beard (Baird). Te, he!"

Soph. (writing composition of milk on board) "Water, casein, albumin, milksugar, ash"

Class (simultaneously): "You've forgotten the fat!"

Soph.: "No, this is Holstein Milk"

One of the First Year girls, after Chemistry Class:

"Ashes to ashes,  
 Dust to dust—  
 If Cooking doesn't kill us  
 Chemistry must."

Upon hearing that Miss C. charged per square inch for impounding, Mr. Jackson contributed his overshoes to the Patriotic Fund.

# :: BURNS' :: Digester Tankage

---

We are living in an age when science is just as potent a factor to the success of farming as to any other line of human endeavor. The conviction is being driven home decisively year by year that the farmer who gets the greatest return from his financial and labor investment, is the one who applies science in the cultivating and fertilizing of the soil and the feeding of his stock.

If you feed say 100 hogs per year let us prove to you by certified Government tests, how you may increase your profit on this transaction by \$409.50.

If you raise poultry, let us show you how you may by the use of Burns' Poultry Foods, and Burns' Poultry Bone secure the greatest possible results in egg-production.

Every soil requires a Fertilizer; we have a fertilizer for every soil.

If you desire more definite information, it will be a pleasure to us to receive your enquiry.

---

## P. Burns & Company, Ltd.

EDMONTON - CALGARY - VANCOUVER

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## OLDS WINS MEYER'S CUP

On several occasions individuals have offered to put up a special silver cup to be competed for among the three Schools of Agriculture. However, the staffs generally speaking, were opposed to this idea as this one item took up too much of the time of the students during the School Year. However, it remained for Mr. A. E. Meyer, Instructor in Animal Husbandry in the O.S.A. to offer a cup to be competed for among the three Schools of Agriculture, the competition to take place at a time of the year when it would not interfere with School work. Through the kindness of the Calgary Industrial Fair Association, and their capable Manager, Mr. E. L. Richardson, handsome prizes were offered for a team of three judges from each of the Schools of Agriculture to compete at the Spring Show in Calgary. Sufficient money was guaranteed by Mr. Richardson, so that the students could practically feel that all their expenses to Calgary would be met. The silver trophy which is represented above and which was donated by Mr. Meyer is to be won by the team taking the highest score in the judging of a number of different classes of livestock. Classes of Herefords, Shorthorns, Clydesdales, Percherons, Hogs and Sheep were in turn judged by the students and an expert judge took charge of each class. The students examined the animals and placed them according to their judgment and then verbally gave their reasons for placing to the judge in charge. The competition was very keen and the three Schools of Agriculture stood very close in the total score.



In the final, however, the Olds students came out ahead by a very small margin and thus won the trophy for the O.S.A. It might be stated, however, that the trophy is to be a challenge trophy and is to remain in possession of the school winning it until such time as one of the other schools shall capture the coveted prize.

The team representing the Olds School of Agriculture was:

Mac. B. McColl—Collholme, Alta.

Harold Phillips—Langdon.

Hector McArthur—Knee Hill Valley.

The boys all declared that this was a splendid way to put the principles of their Livestock instruction into real practical use. The Schools of Agriculture heartily thank Mr. A. E. Meyer for his thoughtfulness in this connection.

### OLDS STUDENT DOES WELL AT TORONTO UNIVERSITY

Many of our old students will remember Oscar Foreman, one of the Hockey stars at the Olds School of Agriculture. Mr. Foreman took work at this institution and then proceeded to Toronto where he is continuing his studies in the Veterinary College of the Toronto University.

It will be gratifying to all of the students who remember Mr. Foreman to learn that he has captured the Scholarship offered by the Veterinary Faculty of the University of Toronto, which refunds to him all tuition paid

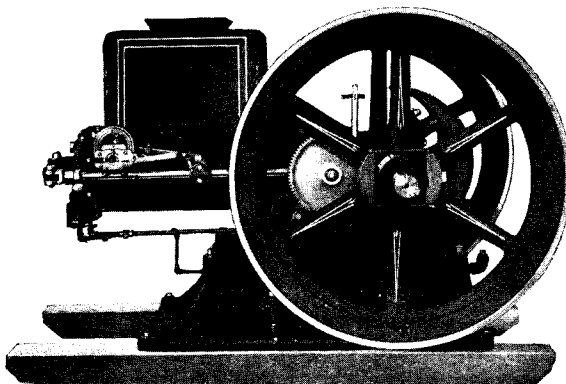
during his entire year. Mr. Foreman has this to say with regard to the work as given at the School of Agriculture:—

"Much of my success I attribute to my preparatory course, taken under your guidance, at the Olds School of Agriculture. Throughout this course I can refer back to points I received in the Agricultural course and which form a substantial basis to the Veterinary profession."

We all wish for Oscar continued success and predict for him a very successful career.



## STOVER'S GOOD ENGINE



*STOVER'S "GOOD" ENGINE*, never sputters, chokes or misses. Once it is started, it hums right along. By means of a special governing and throttling device, the supply of fuel is automatically regulated according to the load and the power required.

*ON STOVER'S "GOOD" ENGINE*, built for operating on kerosene or distillate, the air is thoroughly pre-heated, thus readily and easily vaporizing the kerosene and thoroughly mixing it with air. A new and improved type of mixer provides just the right amount of air at the correct velocity under all speeds of the engine to thoroughly break or split up the fuel into a fine spray. This with the pre-heating device causes a perfect mixture which explodes instantly, makes starting easy, and gives a powerful kick to each stroke, and insures greatest possible fuel economy because there is no waste.

*STOVER'S "GOOD" ENGINE IS ALSO MANUFACTURED IN THE HIT AND MISS CONSTRUCTION, IN ALL SIZES, FOR USE WITH GASOLINE OR GAS.*

AN AGENT IN EVERY TOWN IN ALBERTA. IF YOU CANNOT LOCATE HIM, WRITE TO :

# FOUNDRY PRODUCTS Ltd.

*Sole Agents and Distributors,*

CALGARY,

ALBERTA

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## SOCIAL

The evening of Friday, November 3rd, ushered in the first social event of the School year, when the staff extended their welcome to the students in the form of a dance. A dainty lunch was served and dancing broke up at midnight.

The following Friday the students were entertained at an informal social evening. A program of games and contests were gone through and many of the Freshies were initiated in strange and laughable ways.

On November 18th the annual Alumni Dance was held and a number of the ex-students were welcomed back. Acquaintances were renewed and the time passed all too quickly. With the singing of "Auld Lang Syne" one of the pleasantest evenings of the year was brought to a close.

As has been the custom, the social events of the fall term ended with a Christmas Tree. Santa was in the best of humor and remembered every one, so it is reasonable to suppose that all the children had been exceptionally good for the "Jes' 'Fore Christmas" week at least.

The most important event of the spring term was the Masquerade dance. A gay scene presented itself as the students and guests thronged the hall and the fun was brought to a climax when a very militant looking Suffragette, chosen winner of the Ladies' Comic Prize, on removing her (?) mask, proved to be Dr. Mann. Other prizes were won by Chris Dahl as "George Washington," Miss Ayers as "Miss Belgium" and Lloyd Ray as "Farmer Brown."

On the social evenings, certain members of the staff were very kind in giving their time to arrange games and amusements for the benefit of those students who did not take part in the dancing.

Many thanks are due the orchestra for furnishing such splendid music for the various social events, throughout the year.

On Saturday, January 13th, in spite of the fact that "The way was long and the wind was cold" a number of the O.S.A. Senior girls and Miss McRae of the Public School Staff drove out to the home of Mr. McNally.

Mrs. McNally proved a most charming hostess. A delicious dinner was served, after which the evening was spent with music and the delights of an old-fashioned taffy pull. About midnight a dainty lunch was partaken of and the guests departed, delighted with everything and everybody.

As the happy party drove away, the wind brought them the last "Good-Byes" and "Was it, 'Come again?'" We hope so.

### VALENTINE PARTY

The hum of excitement and pleasant expectation grew loud on the thirteenth of February among twenty-six of the students who were so fortunate as to receive red heart invitations which proclaimed, "Valentine party at Ernest Madsen's home." Meet at Kandy Kitchen at 7.30. What more could have been desired than that, and the perfect evening which followed?

At the allotted time the Kandy Kitchen was filled to overflowing with happy young people and when Mr. and Mrs. Aikens presented us with a beautiful box of chocolates our happiness was complete, until we discovered that both sleigh loads would not be blessed with the envied box.

The evening was faultless and the drive was of an hilarious nature. Keen competition was kept up between the two loads and songs followed, melodiously and sweetly in rapid succession wafting back through the clear evening atmosphere to the load behind which took up the echo and tried its best to sustain the vocal reputation of load number one.

As we neared Mr. Madsen's home, college songs and yells were given whole-heartedly and we were welcomed

—The—  
Olds Cheese  
and Butter  
Factory

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Butter and Cheese is Made



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We pay special prices for *CREAM OF QUALITY*.

*A square deal for all.*



W. A. BRODIE

Proprietor

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## SOCIAL--Continued.

by the charming hostess and her daughter, Mrs. Hunt.

'Ere long we were feeling very much at home, laughing about each other's ridiculous fortunes, yet wondering if there could possibly be anything in our own. Valentine games were played and appropriate decorations made the house exceptionally attractive.

Very dainty refreshments, suggestive of the day, were served and the buzz which had not subsided during the evening became even more loud, showing the perfect enjoyment of the proverbially hungry collegites.

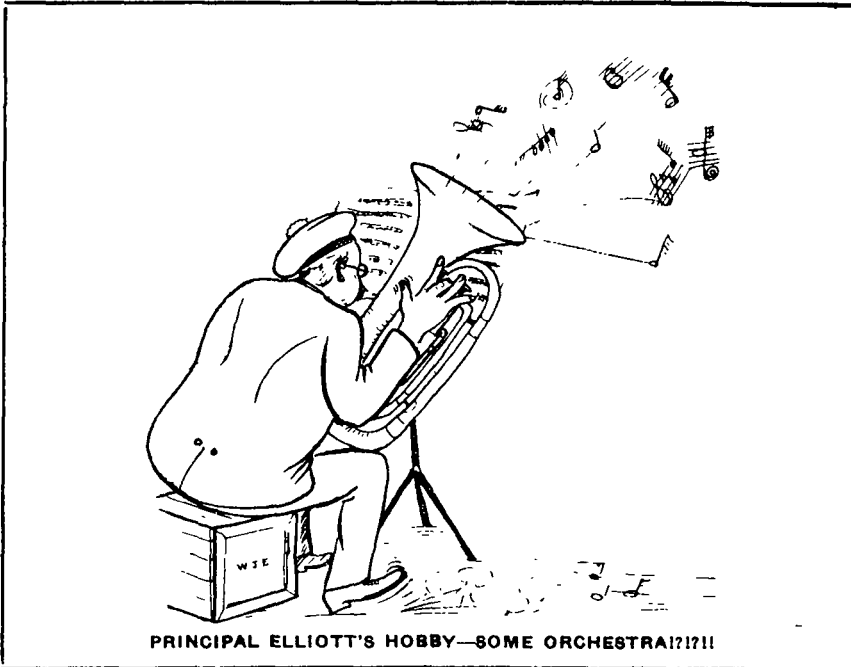
A few more games were played and little Arthur Madsen rendered three solos which were greatly appreciated and then reluctantly we admitted that we had already exceeded the 10.30 limit.

Preparations were made for the return trip which would have been uneventful had not one of the party been seized with a sudden inspiration which resulted in a broken box and some half-dozen of our crowd being thrown out on a soft snow bank.

We entered town as noisily as we left it and felt that we had spent one of the most pleasant evenings of the season.

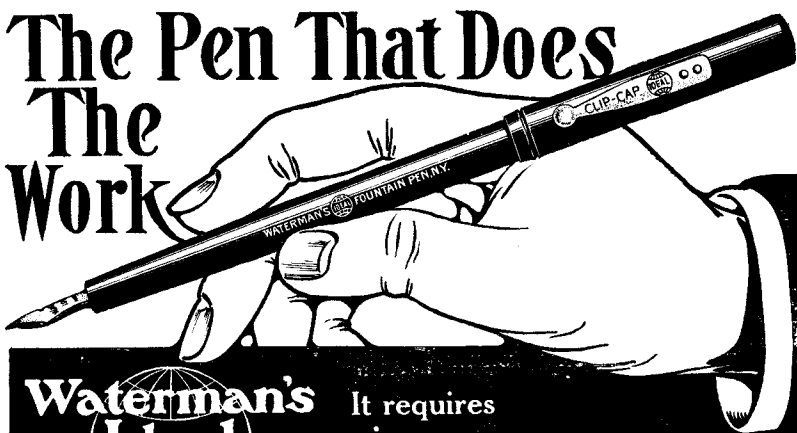
## V.P.

Oh, let me see,  
Said Vernon P.  
I would agree  
If I were she  
So off he went  
To Movies bent,  
He had the "cent"  
And thus he meant  
To take Miss Ruth.  
"I'll tell the truth  
If not forsooth  
I'll close my mouth."  
Miss Ruth was there,  
Full young and fair.  
Oh, happy pair!  
So free from care,  
Thus home they go,  
Not fast, but slow,  
Oh, yes, we know.  
Just so!



PRINCIPAL ELLIOTT'S HOBBY—SOME ORCHESTRA!?!?!!

# The Pen That Does The Work



**Waterman's  
Ideal  
Fountain Pen**

It requires  
no effort to write with  
this pen. It is always ready.

The ink capacity is large, and the writing qualities  
famous

Ranging in prices from \$2.50 to \$6.00.

Nickel Clips, 25c. extra.

Gold Clips, \$1.00 extra.

*EASTMAN KODAKS AND SUPPLIES ALWAYS IN STOCK.*

Brownie Cameras, \$2.00 to \$10.00.

Give us a call and we will be pleased to show you our cameras.

## THE REXALL

We are sole agents for this famous line of Family Medicines. Every  
one Guaranteed.

Our Motto: *Satisfaction or Money Refunded.*

# The Olds Drug Co., Ltd.

*"The Rexall Store"*

*Drugs, Stationery and Fancy Goods.*

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## ATHLETICS



Soon after School began the boys got together and started work on the School rink. They secured two teams from the Demonstration Farm and agreed to pay for same by stooking a field of grain that had just been cut. Half of the students proceeded immediately to stook the 25-acre field and this was accomplished in the record time of two hours. For a good share of the time the field resembled an ant hill working under full pressure. The rest of the students, with grader and shovel, levelled off a piece of ground for the rink and in short order the fences were erected and all was ready for the frost. Owing, however, to the delay in the construction of the water tower, nothing could be done with regard to flooding the rink until the Christmas holidays, when "Tommy" Farmer put in a good week's work and when the students returned they found the rink in pretty good shape.

Both the boys and girls organized hockey teams and for a time there was lively practice and preparation for games. On January 22nd, the O.S.A. accepted a challenge from the Olds High School and played the game on the town rink. The score resulted in a tie—2-2. On January 27th the Second Year challenged the First Year to a game which was accepted and fast and furious was the play until the bell sounded when the results stood 1-0 in favor of the Sophomores. The third game was played on February 6th between the Freshmen of

the O.S.A. and the High School. This was a good game and the play was very much better than the resultant score would indicate. The O.S.A. boys however, seemed to be a little more proficient when near the goal and the final result was a score of 6-1, in favor of the O.S.A.

Again, on February 17th the First and Second Years of the O.S.A. played a game on the School rink. By this time both teams were showing the decided advantage of practise and although the First Year played desperately yet they could not hold the Second Year, who won out by a score of 6-3.

The first big game of the season occurred on February 22nd when the O.S.A. boys played the Senior Team in the Town of Olds. This was certainly a good game and both teams played hard. The town team however, proved entirely too much for the School students and walked off with a victory to the tune of 6-0. The line-up for this game was:—

Goal—B. Shott.  
 Point—F. W. Addison.  
 Cover Point—J. G. Taggart.  
 Rover—C. Switzer.  
 Centre—W. Jacobson.  
 Left Wing—H. Switzer.  
 Right Wing—H. Cross.  
 Spare—E. Madsen.

With Miss Davis absent from the School there was not the same keen interest in the Girls' Hockey Team and although several practices were held, yet the

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NIGHT OR DAY

**THE X. L. MEAT  
MARKET**

DARGIE & ARKSEY, Props.

*Dealers in*

**FISH, SALT & FRESH MEATS**

CASH PAID FOR HIDES



BOYS' HOCKEY TEAM, OLDS S.A.

**ATHLETICS—Continued.**

girls did not seem to care to continue.

Owing to the fact that cold weather, with snow, came to the Olds district early last fall, the School was unable to hold the usual Field Meet. Many of our students were anxious for this contest but as stated above, the weather made it entirely impossible.

For indoor work during the winter the boys have made splendid use of the boxing gloves, wrestling match and punching bag. Along the first line several of the students have developed proficiency. Harold Lund is one of these. He, however, has had to defend his honor with some very keen contestants.

**MUSICAL**

Soon after the opening of the College term a Musical Committee was formed, with the following officers:—

President—Paul Caroe.

Vice-President—Mabel Cross.

Secretary—Harry Switzer.

There has been considerable musical talent among the students this year so we were never in want of music at Literary meetings.

Mr. Holeton has again been the director of the College Orchestra which has provided music for the dances.

A Glee Club was formed shortly after the Christmas holidays under the able leadership of the President, Mr. Caroe. The members were enthusiastic and progressed so rapidly that they were able to render several selections at the Red Cross Concert.

The Committee desires to thank those from the town who have so kindly assisted with the music for the dances.

**LITERARY**

The comparatively small attendance of students at the O.S.A. this year has had a tendency to increase the difficulty of those responsible for the various social activities. This obvious inconvenience has been more than overcome, owing to the efficient and devoted efforts of the Literary Committee.

Literary meetings were held Friday evenings and were well attended by the student body. As usual many of the students were a little slow in doing their bit to entertain, but on the whole, there was a ready response. The period given to literary meetings was recognized to be as important as any period of instruction and no effort was spared to make them as instructive as possible. Debates and speeches by students, addresses by local and outside talents, music, sketches and plays furnished the principal items of entertainment.

One of the principal speakers to address the Literary was Mr. Browning, Deputy Attorney General, who spoke on "Alberta Law." The Rev. Mr. Ritchie spoke on "Originality," at another time. Rev. G. D. Armstrong also gave an instructive address.

Quartettes, mixed or unmixed, were entirely absent, but, if solos and instrumentals could make up the want, this was more than supplied.

The excellent assistance given the Society by members of the Staff contributed in a very large measure to make the literary evenings successful and very pleasant indeed.



First Door North of Victoria Hotel.  
PHONE 128

**Miss M. E. Thompson**  
**LADIES' AND GENTS' TAILORING**

Special Prices to O.S.A. Students

CLEANING, PRESSING and ALTERA-  
TIONS.

*Suits Made to Measure.*

*Satisfaction Guaranteed.*

Work called for and Delivered free.

O.S.A.  
STUDENTS  
Learn to  
**GET IT**  
*at*  
**MOORE'S**  
When in Olds.

There is no reason why they  
should not follow the same in-  
structions when at their homes  
for goods not procurable there.

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*at*  
**MOORE'S**  
*Olds, Alberta.*

**T. Pokotilo**

FOURTH STREET

*All Kinds of BOOTS and*

*SHOES Kept in Stock*

Boot Repairing a Specialty  
OLDS, ALTA.

Tailor  
for  
Gents and Ladies

CLEANING, PRESSING AND  
REPAIRING

Special Attention.

To O.S.A. Students.

**Joseph Dovrtel**

3rd Street, OLDS, ALTA.

**R. R. Armstrong**

PHONE 52

NEILSON'S CHOCOLATES,

PURE ICE CREAM,

BREAD, CAKES, ETC.

FRESH FRUIT.

Main Street, OLDS, ALTA.

When answering advertisements kindly mention the A.S.A. Magazine.

## - RED CROSS -

In 1915 and 1916, the girls of the O.S.A. contributed to the Red Cross fund by utilizing one sewing period a week in making articles necessary for the work of the Red Cross, and also had an afternoon tea and sale of candy in March.

This year, the girls who were trained by Miss Cuming, gave an entertainment on February 2nd and the proceeds, which amounted to Seventy Dollars, were handed to the Red Cross Society.

The girls gave up the regular physical drill and used the time practicing drills and folk dances; sixteen girls performed a Flag Drill which was very pretty. Twenty-one girls of the first year did very well in a Witch's Drill. In their costumes of black and yellow they looked bewitching and the background of black cats, owls and moons made it especially attractive. The Gypsy Drill was splendid as each of the ten performers wore a charming gypsy costume and around the camp fire they sang and danced gracefully.

The folk dancing was exceptionally good and made quite a "hit" with the audience. The girls in the English Harvesters wore white middy suits and large straw hats tied down with red ribbons. Miss Hammer, Miss Patterson, Misses Jessie and Edith Waterston in the Irish Lilt looked quite the part of Irish colleens.

Little Miss Margaret Elliott, dressed in a Scotch costume did exceedingly well in dancing the Highland Fling.

Two choruses, by a number of the students, a piano duet by the Misses Cross and a solo by Miss Marion Hutchings, constituted the musical part of the programme.

A short play entitled "The Dressing Gown" was presented by six of the students. When the curtain was drawn aside and the play began we then realized there was a treat in store. At the close of the play a beautiful and costly bouquet of cabbage leaves, onion tops and tulips was presented to the star performers—Mr. and Mrs. Peter Peabody, impersonated by Mr. Baird and Miss Hutchings, which showed the appreciation of at least a part of the audience.

### MOCK PARLIAMENT

A very interesting and instructive evening featured the proceedings of a Mock Parliament. All the members were represented by the students and in every respect, the actual procedure was followed as closely as circumstances would permit.

One of the bills introduced provided for the importation of ten Japanese mechanical cows. Keen interest was evinced in the debate which was of a lively nature.

The programme was brought to a close by the singing of the National Anthem.

---

The girls in making aprons for the boys did not make allowances for abnormal facial projections. G. B. Sanford couldn't get his off!

**Electric Lighted**  
**"PUBS" BARBER SHOP**  
**AND BILLIARD PARLOR**

**Everything Sanitary**  
**Bath Room Up to Date**

**ELECTRIC MESSAGES AND**  
**SCALP TREATMENTS.**

**We know nobody—all 10c.**  
**pieces are the same size.**

**Use our bath room when you**  
**are in town.**

**3rd ST. WEST - OLDS**

# SEEDS

*The Secret of the Success of*  
**McKENZIE'S SEEDS**

is attributed to their careful growth and selection, thus ensuring that dependability for which they are now famous.

The *McKenzie Standard* is the only one which should be recognized in relation to seeds.

## OUR 1917 CATALOG

*Tells all about the seeds YOU should sow in your garden and farm.*

**WRITE FOR COPY TO-DAY.**

**A. E. MCKENZIE CO., Ltd.**  
**CALGARY, ALTA.**

*Western Canada's Greatest Seed House*

# W. R. VOGEL

## PHOTOGRAPHER

*Your friends can buy*  
*—anything—*  
*except your photo*

**STUDIOS AT DIDSBURY AND OLDS**

**OLDS STUDIO OPEN THURSDAY, FRIDAY**  
**AND SATURDAY**

When answering advertisements kindly mention the A.S.A. Magazine.

## OLDS STUDENTS ATTEND FAT STOCK SHOW AT CALGARY

A large number of our students spent a very enjoyable and profitable time at the Calgary Fat Stock Show on December 11th and 12th. The students took the morning train south and returned the second day on the midnight train, thereby having the whole of two days to spend at the show. It was intended that a competition in livestock judging should be held between the students of the three schools of Agriculture and some of our boys were already commencing to count on the prize money, but as the Vermilion students were unable to attend, the competition was withdrawn.

Mr. Meyers, who judged the cattle, gave the boys permission to ask questions in regard to the placing of the different animals in the various classes. There was some very keen competition in the judging ring, and the students were able to acquire considerable additional knowledge of livestock judging by seeing the actual placing of the individuals and by taking advantages of the privileges so kindly offered by Mr. Meyers, to ask questions.

In addition to visiting the fat stock show the students were enabled to attend a number of large public sales of pure-bred cattle and horses, and there acquire a knowledge of the market value of stock of these classes.

Some of the students spent their evenings very enjoyably in the swimming pool at the Y.M.C.A. and by indulging in such other sports as the equipment of that worthy institution afforded. Others attended the picture shows, while still others repaired to the roller skating rink and there executed a number of performances which would put even Charlie Chaplin to shame.

The trip home was made rather lively by the singing of "Tipperary Mary," "Annie Laurie" and other favorite songs. The College yell was very creditably delivered at each station platform along the line. It afforded the students much pleasure to picture the villagers at the different stations arousing from their midnight slumbers and looking out to see what had happened. Arriving at Olds, however, the same satisfaction was not experienced as the natives here were quite familiar with such exuberant outpourings.

On the whole, the boys were extremely satisfied with their trip, both from the standpoint of profit and pleasure.

## ACME BOYS' AND GIRLS' CLUB

The little town of Acme is surrounded by a very successful farming community. This is evidenced by the fact that the men and women of that district have under way a Boys' and Girls' Club which has had a very successful career for the past three years. The boys and girls are encouraged to grow all kinds of vegetables and are also given livestock by their parents to raise. They also have very creditable flocks of poultry. The girls in the district do considerable in the way of fancy-work and cooking.

The Boys' and Girls' Fair has come to be an annual event at Acme of very considerable importance. Principal W. J. Elliott and Miss Ada Davis of the Olds School of Agriculture were asked to attend the fair on the 2nd of December last to judge the various things that were exhibited by the young people. The calf class was very creditable indeed. There was a large number of animals, and the boys had evidently given them good care. There were also numerous pens of poultry and a very fine collection of potatoes. In the Girls' Department Miss Davis reported finding some fancy-work as fine as she had ever judged, and when it came to the Cooking and Pie Department, there was an array that would have done credit to many a larger fair. It was noticed that both Mr. Elliott and Miss Davis visited the Cooking end of the Fair very frequently; in fact, some of the pies were so luscious that before you could get a real good taste of them, nearly all of the pie had to be consumed!

The Fair on the whole was a splendid success and reflects great credit on the progressive Acme district.

Deficient Youth (Cross):—"If I should kiss you, how would you take it?"  
Violet:—"Why - er - how do you generally give them?"

## SOCIETY NEWS

### SENIOR GIRLS ENTERTAINED

A very delightful evening, that of February 2nd, was spent by the Second Year girls at the home of Mr. and Mrs. Cross, of Olds.

With fancy-work, games and music, the time passed too quickly for our congenial little company till all too soon the clock's accusing hands pointed to the late hour of departure. To our kind host and hostess, and also Miss Hattie and Miss Mabel Cross are due the happy memories we shall ever keep of an exceedingly pleasant evening.

\* \* \*

"Jingle bells, jingle bells, jingle all the way,  
Oh, what fun it is to ride  
In a crowded old bob-sleigh!"

Yes, it was fun "pure and simple" when fourteen of us ranged ourselves around the sides of a big sleigh armed with sundry bags of candy (always in

evidence at the **beginning** of a sleigh ride). This time we drove nine miles to our destination, where Mr. and Mrs. Hammar welcomed the College crowd to their hospitable home. An evening of games and music passed pleasantly indeed and reluctantly we prepared for the homeward drive. A jollier bunch we believe could not be found as anyone who heard us could testify.

\* \* \*

Mrs. Jesse Hughes began the series of pleasant evenings which the Sophomore girls enjoyed throughout the term, by entertaining them and the Misses Cuming and Storey shortly after Christmas.

The congenial company gathered around the fire, and spent the evening agreeably with fancy-work and conversation. The time passed only too quickly and after very dainty refreshments were served the guests went their several ways certain that the evening could not have been spent more happily.

## - Olds Kandy Kitchen -

### Tea Room and Ice Cream Parlor

ALBERTA BLOCK

IS THE PLACE TO GET A LIGHT LUNCH

*Ice Cream and Home-made Candy*

*FRESH DAILY*

FRESH FRUIT, ETC., IN SEASON

When answering advertisements kindly mention the A.S.A. Magazine.

## WEDDING BELLS

MR. & MRS. VIOLET FROST  
Announce the marriage of their daughter  
ANNA MAUDE  
to  
E. E. CURTIS  
In the Assembly Hall, Tuesday, Feb. 27  
at 1.30 p.m.  
Ladies only, invited

The above announcement (note the last clause) caused a succession of heart-rending groans from the boys.

At the appointed hour, Miss Hattie Cross rendered feelingly Lohengrin's Wedding March, ushering in the Rev.

E. B. Pritchard, a striking figure in a long black robe and venerable gray locks. Next came the groom and groomsman, E. C. McKinnon; the former wore the conventional Prince Albert and tall silk hat; the latter, a neatly fitting "swallow-tail"; also the inevitable "stove-pipe." The bridesmaid, Miss Gladys Trimble appeared in a dainty pea-green crepe de chine, carrying a bouquet of red and yellow tulips, the gift of the groom. The bride, entering on the arm of her mother, was undoubtedly the centre of attraction. She was becomingly gowned in a white crepe de chine and ninon, a delicately tinted veil, and carried red roses.

Rice and congratulations were showered on the happy couple, who then repaired to the Kandy Kitchen where a dainty lunch was served.

Here they were requested to ride in a chariot prepared by the O.S.A. boys. At the door they were serenaded with rice and an awful medley of noises for lo! a charivari had begun. The party was drawn swiftly in the said chariot (a red cutter) through the streets of Olds by the boys of the School accompanied by indescribable sounds from tin horns and cow bells. Returning to the Kandy Kitchen again the bride and groom produced the treats (peanuts—two bits).

Finale:

The young couple drove to their "Little Gray Home in the West," taking with them the best wishes of the O.S.A.

On the following Friday the "newly-weds" received in the "Assembly" at a reception given for them by the Junior Girls.



T. H. Davey

WHERE CASH BEATS CREDIT

L. C. Davey

**DAVEY BROTHERS***Dealers in**Choice Groceries :: Boots and Shoes  
Gents' Furnishings and Staples***THE QUALITY STORE**

P. O. Drawer 2018

Phone 48

OLDS, ALBERTA.

**F. L. LANDON**TINSMITHING & PLUMBING  
GASOLINE LIGHTING**Duff & Co's Old Stand***Skates Sharpened.***D. WING  
LAUNDRY***First Class Work Guaranteed.**Wash twice a week.***SAM YING  
Restaurant & Pool Room**CANDY, TOBACCO  
ICE CREAM, SOFT DRINKS*Meals at all hours.***LAUNDRY***Wash semi-weekly.**Clothes called for and delivered.**Very best work done.***SING YONG**

When answering advertisements kindly mention the A.S.A. Magazine.

Miss C. (angrily, as she viewed her victim crouched fearfully at top of ladder):  
 "Come down, ye old sinner, 'till I get my hands on ye." !

Mr. Moe:—"If you weren't so big and so fat and so good-natured, you'd  
 'bust'."

Two wise (?) Sophs. spent precious hours forming something out of a centi-  
 pede's body, a butterfly's wings and a grasshopper's legs, which when completed  
 they took to Mr. T. for his opinion.

"Did this hum?" they were asked, and answered "Yes," between nudges  
 of pleasure at having stung an Instructor. "Well, then," he said, "it must be  
 a humbug."

\* \* \* \* \*

Edith:—"Say, Lorea, 'Hutch' will soon be here."

Lora:—"How do you know?"

Edith:—"His nose is just coming 'round the corner."

Student:—"Say, Marsden, did you lose a quarter?"

Marsden:—"Yes, I did."

Student:—"Well, I thought you were only three-quarters there."

\* \* \* \* \*

The question arises whether Sykes has a gate (gait) or a pair of bars.

Mr. Taggart:—"Give one way of purifying water."

W. M.:—"Add sulphuric acid."

\* \* \* \* \*

#### THE LORD'S PRAYER

Said Mr. Taggart, at Assembly one morn:

"Someone has been good to me—

Here is the Lord's Prayer writ in good form,

On paper, quite legibly.

In place of stumbling thru it as of yore,

I shall read it this morning instead

And then, I'll put it where 'twas put before,

On my desk, in the Chemistry Lab."

\* \* \* \* \*

Inquiring of Culbertson:—

"Have you any secrets in your past?" she asked.

"None to speak of," he replied.

\* \* \* \* \*

Nettie:—"Duane fairly takes my breath away sometimes."

Lilian:—"Yes, he used to kiss me that way once!"

\* \* \* \* \*

Miss Cumming (meeting a boy after cooking class)—

Sentry—Miss C.:—"Halt, who goes there?"

The challenged:—"A friend—with doughnuts."

Sentry—Miss C.:—"Pass friend—halt doughnuts."

\* \* \* \* \*

Cross:—"I bet I can make a worse face than you can."

MacDonald:—"You ought to be able to—look at the face you've got to  
 start with!"

\* \* \* \* \*

Miss Cumming (watching a shaky moving picture):—

"Oh, Miss Storey, look at the film reeling!"

\* \* \* \* \*

Miss Storey:—"Mary, why is not this dessert light and spongy as it ought  
 to be?"

Mary:—"I'm sure I don't know, Miss Storey, I made it just as you told  
 me. You said to beat it until it was cold, and as soon as I took it from the stove  
 I beat it down to the station and when I got back it was cold."

\* \* \* \* \*

H. Switzer:—"You can't reason with a woman."

D. Phillips:—"I never try. It's much easier to jolly her."



# A. M. BUSH

## JEWELER

OLDS, ALBERTA

WATCH REPAIRING

*Issuer of Marriage Licenses*

# KEMP & SHAW

Dealers in

CANADIAN

AND

AMERICAN

FARM IMPLEMENTS

*Harness and Saddlery*

J. I. Case Threshing Machines

Cockshutt, Oliver & Emerson  
Plows

I. H. C. Gasoline Engines

Carriages : - : Wagons

Cream Separators

3rd St. East, OLDS. Phone 23

# H. E. Branscombe

## BARBER SHOP

*Next Door to Victoria Hotel*

*Chocolates and  
Soft Drinks*

# Dr. H. P. Kenney

## DENTIST

*Over Post Office*

OLDS, ALBERTA

Office Hours: 9 to 5

## S.-O.-S.-

Why did Nettie "Hammer" Alex ?  
 For by such action so courageous  
 Great issues which are most courageous  
 Have arisen.

For isn't Harry "Cross" with Violet ?  
 And hasn't "Anna" lost her "Dahl ?"  
 While Lilian "Ayers" her views quite freely  
 To poor "Duane"!

For Anna we don't worry much  
 Because she has a "Bill" in reservation  
 Which justifies her application  
 For a substitute!

The others all have antidotes,  
 Who have appeased their raging furies  
 And now, arm-in-arm they trip to Movies  
 Thrice per week (?).

When dear Lorea from Oyenville,  
 A "Ray" one day in the corridor spied,  
 She tho't of the show and of Aikens and sighed  
 Oh! if he only "Wood."

"Jessie's the girl," said Weir to Baird,  
 "That appeals to me most of the lot."  
 But Baird defiantly whispered, "Don't worry, she's naught  
 To 'Mar-ion'!"

"Now, Annie," said Mary, in great consternation,  
 "Which Brown was that you captured last night  
 And had such a time with?" Said Annie, quite calmly,  
 "Oh, he's 'N.G.'"

When Annie Waldron left for School  
 She said, "Mother, never an evening's study will I miss,"  
 But she didn't know then of one, a young and handsome  
 "Chris."

"The Lady of the Lake" is simply rank  
 "And takes up too much time," said Henry,  
 "Something more brief and much more 'Curt-is'  
 "What I want!"

"What d'you think of the Stenographer, boys?"  
 "She's a new one, young and single."  
 "Well," said "Bill," "I'll do my best, for she sure  
 "Is-a-belle!"

"Skating at half-past seven to-night,"  
 The Bulletin board in the hall declared.  
 "I'd like to go," said Van K. to himself,  
 "But, how'll the 'Weather-be'?"

Our Hockey games are of world renown (?)  
 But once in aberration Roberts shouted out in glee,  
 "'P(r)itch-hard', boys, 'P(r)itch-hard', for that's the play to me  
 "Worth while!"

Jackson's the boy we all admire,  
 With head erect and eye of fire,  
 But alas! his one ideal and his life's desire  
 Is a "Cook"!

I.U.—With apologies.

— — — — —  
 "Who did you say the leader of the 'Glee Club' was?"  
 "Why, it is Crow (Caroe), or something like that."

# "BLUE and GOLD"

are the COLORS of the O. S. A.

You can get them at

## CRAIG'S

OLDS' BIG DEPARTMENTAL STORE

*We have the Material for Costumes required by Domestic Science Students.*

MEN'S and YOUTHS' OUTFITTING A SPECIALTY

## CRAIG & CO.

OLDS, - - - - ALBERTA

### F. Shackleton

*Notary Public  
Conveyancer*

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INSURANCE :  
Fire, Life and Accident.

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*Money to Loan on Farm Property*

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Agent for C. & E. Townsite  
Co. and C. & E. Farm Lands.

OLDS, ALBERTA

### A. Clark Bury, B.A.

*Barrister, Solicitor,  
Notary Public,  
Conveyancer.*

Solicitor for Canada Bonded  
Attorney, Merchants' Bank of  
Canada, Canadian Bank of Com-  
merce, etc.

*Collections a Specialty.  
Money to Loan,  
Fire and Life Insurance.*

Phone 33.

OLDS, Alta.

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## McLEANS' CASH STORE

WE CARRY NEARLY EVERYTHING YOU NEED

*DRY GOODS, GROCERIES, FLOUR and FEED,  
BOOTS and SHOES, MEN'S FURNISHINGS.  
LADIES' READY-TO-WEAR.*

*OUR PRICES ARE THE LOWEST POSSIBLE  
CONSISTENT WITH GOOD MERCHANDISE*

### McLEAN BROS.

Phone 73 - - - - OLDS, ALTA.

## LUMBER

Grades that will suit you always on hand in any line you require. We specialize in builders' paper. We have always in stock a good line of doors, windows, wood fiber plaster, cement, lime and chimney brick. Our stocks of lumber are always selected from the best mills, and our shingles are the best Coast stock that can be bought. Estimates of cost figured for you on any size of building you are going to erect. Improve your farms and homes by good buildings, thereby showing your faith in this, the most prosperous district of Alberta.

### R. A. CRAIG

Office Phone No. 44.

OLDS

Res. Phone No. 84

*Send Your Order To Us For A*

# **KLEANKWICK VACUUM Power Washer**

Cleans the clothes clean and quick; runs with an engine; has a power wringer, tub stands, and is fitted with the greatest workman engenuity.

We will supply washer and engine complete at any station in Alberta for the sum of

**\$ 100.00**

## **ENGINE SPECIFICATION:**

**WATER COOLED 1½ H.P. JUMP SPARK.**

Specifications.—Horse power, 1½. Suction feed (carburetor with needle valve and air regulator). Jump spark ignition. Hit and miss governor. Speed 450 to 600 R.P.M. Four cycle. Bore and stroke, 3½ x 5 inches. Diameter of fly wheels, 16½ inches. Weight of fly wheels, 38 lbs. each. Floor space, 19 x 42 inches. Shipping weight, 250 pounds. On skids.

Fitted with Webster Magneto, \$60.00.

# **H. A. WALLACE & CO.**

**OLDS**

**Honest Goods at Honest Prices.**

*Address all orders to mail-order Department*

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# McKercher Brothers

DEALERS IN

Lumber, Implements, Harness

Furniture, House Furnishings

REAL ESTATE

LIVE STOCK

Agents for

Deering Binders, Mowers, Rakes  
and Drills

Gasoline Engines

Threshing and Plowing  
Engines

P. & O. Plows

Harrows, Wagons,

Sharples  
Cream Separators

Dealers in

Lumber, Lath, Doors,  
Windows

Lime and Brick  
Hard and Soft Coal

Light and Heavy Harness  
Saddles, etc.

Windmills, Pumps,

Wheelbarrows,  
Washing Machines,

Furniture, Wall Paper  
Trunks, etc.

OLDS - - - ALBERTA

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# Who Thompson, Sons & Company Are :

The grain commission firm of Thompson, Sons & Co. consists solely of Mr. Thomas Thompson and his sons, T. G. Thompson and R. M. Thompson. They are natives of the village of Ayton, Berwickshire, Scotland, and came direct to Manitoba in 1882, 34 years ago. Mr. Thompson, Senr., has been in the Manitoba grain trade continuously since 1883.

For the past 19 years the firm have made a special business of looking after and disposing of grain consigned to them for sale by farmers and country dealers.

The firm do not buy farmers' grain on their own account, and have no interest in elevators, either country or terminal. They are always prepared to give full information about market prospects and prices, and on all matters connected with grain, including railway rates, inspection, dockage, storage at terminal elevators, etc. They also advise as to selling or holding and they invite inquiries and correspondence from farmers on these subjects.

The commission charges for selling and accounting for the proceeds and remitting same are 1c. per bushel on wheat, barley, rye and flax, and  $\frac{3}{8}$  c. per bushel on oats, and this includes looking after the inspection of cars also, and the making of claims for damage or loss when these occur.

We have a large amount of money to be advanced on car lots of grain consigned to us for sale, and for grain in store in the terminal elevators; the rate of interest on advances is 7 per cent. per annum.

When shipping grain, load direct into cars if possible, in order to save elevator charges and dockage. But when forced by circumstances to ship through elevator, take note of this, that although the elevator owners have the right by the Canada Grain Act to make out the shipping bills and hold them until they are paid the elevator charges, they are bound by the rules of the Board of Grain Commissioners to bill the cars to the commission firm named by the farmer. Bill all cars to and notify Thompson, Sons and Co., Winnipeg.

## Thompson, Sons & Company

GRAIN COMMISSION MERCHANTS

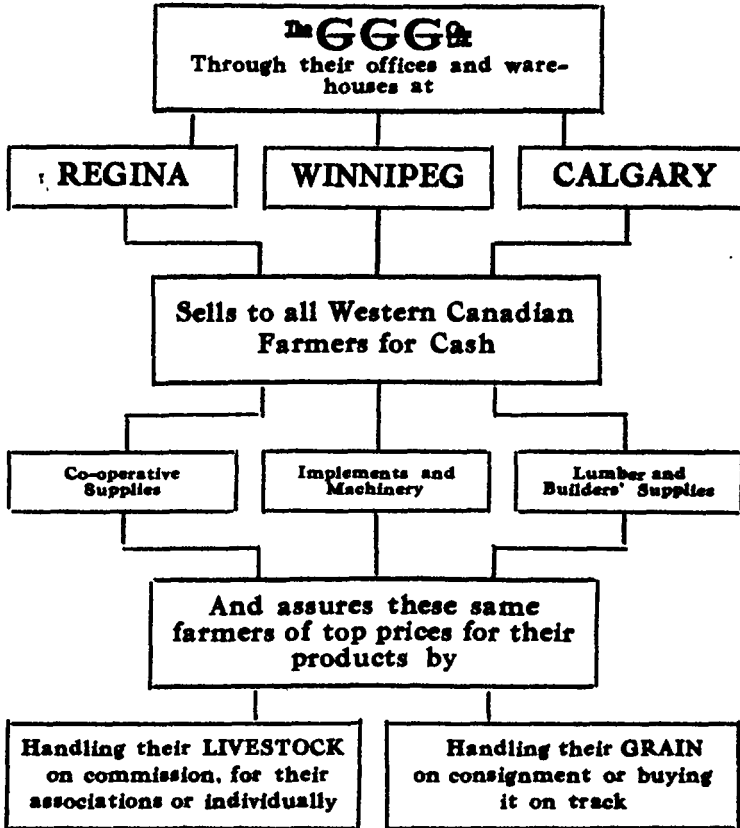
700-703 Grain Exchange

Winnipeg, Man.

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# A Chart for Students

Showing how the farmers of Saskatchewan, Manitoba and Alberta organised to help the present day farmers—and to help you when you start out for yourselves.



A visit to our Calgary office and warehouse—339 Eighth Ave. West—will prove interesting and worth while to any A.S.A. student—or to any farmer in the West.

## The Grain Growers' Grain Co. Ltd.

Branches at  
REGINA, SASK.  
CALGARY, ALTA  
FORT WILLIAM, ONT.

Winnipeg-Manitoba

Agency at  
NEW WESTMINSTER  
British Columbia



